

National Levee Database – Public Web Reporting Tool

(NLD-WRT)

User Manual

Version 0.2

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06 May, 2011

Document Change Record

Version Number	Date	Description
0.1	15 Sept 2010	Initial release
0.2	06 May 2011	Revised to incorporate new GUI

Table of Contents

1.	PREFACE	1
2.	Getting Started	1
2.1	Technical Requirements.....	1
2.1.1	Launching the NLD-WRT	2
2.1.2	Launching Internet Explorer Browser.....	2
2.1.3	Navigating to the NLD-WRT.....	3
2.2	Navigation.....	3
3.	Reports	5
3.1	Navigating to Reports	5
3.2	Report Store	5
3.3	Simple Reporting	7
3.4	Advanced Reporting	8
3.5	Interactive Reporting Tools	12
3.5.1	Search	13
3.5.2	Actions Menu	14
3.6	Find Levees Near Me.....	28
4.	Maps.....	30
4.1	Navigating to Maps.....	30
4.2	Map Utilities	31
4.3	Search.....	34
4.4	Layers.....	35
4.5	Legend.....	37
4.6	Queries	38
5.	Feedback	39
	Appendix A – List of Acronyms.....	A-1

LIST OF FIGURES

Figure 2.1.2-1: Internet Explorer Desktop Shortcut	2
Figure 2.1.2-2: Quick Launch Menu	2
Figure 2.1.2-3: Start Menu	2
Figure 2.1.3-1: Internet Explorer 7 Address Bar	3
Figure 2.2-1: Certificate Error and Log-in	4
Figure 2.2-2: The “Home” Tab	4
Figure 3.1-1: Reports Tab	5
Figure 3.2-1: Report Store	6
Figure 3.3-1: Simple Reporting	7
Figure 3.3-2: Simple Reporting Results	8
Figure 3.4-1: Advance Reporting	8
Figure 3.5-1: View Report	12
Figure 3.5.1-1: Search	13
Figure 3.5.1-2: Loading Symbol	13
Figure 3.5.1-3: Display Criteria	14
Figure 3.5.2.1-1: Actions Menu Functions	15
Figure 3.5.2.1-2: Actions Menu- Select Columns	15
Figure 3.6-2: Find Levees Near Me Results	29
Figure 4.1-1: Maps Tab	30
Figure 4.1-2: Maps	30
Figure 4.2-1: BaseMap Utilities	31
Figure 4.2-2: Map Scales	32
Figure 4.2-3: Area Units	33
Figure 4.3-1: Search for Location	34
Figure 4.4-1: Map Layers	35
Figure 4.4-2: Multiple Map Layers	36
Figure 4.5-1: Legend	37
Figure 4.6-1: Queries	38
Figure 4.6-2: Query Results	39
Figure 5-1: Feedback	39
Figure 5-2: Provide Feedback Form	40

1. PREFACE

The National Levee Database – Web Reporting Tool (NLD-WRT) is a Web based application developed to assist in the dissemination of levee data contained in the National Levee Database (NLD). The NLD was developed by the U.S. Army Corps of Engineers (USACE) and serves as the single source of national flood damage control structures. The purpose of the NLD-WRT is to provide a common database and database structure to allow all USACE Districts and all other levee owners the ability to share and manage levee information in one common location and one common data structure for Federal Government Users (including USACE and FEMA - Federal Emergency Management Agency) and Non-Federal Users (State & Local Governments, ASDSO – Association of State Dam Safety Officers, and the general public).

This manual is designed to:

1. Provide an overview of the National Levee Database Web Reporting Tool
2. Provide instructions on how to leverage NLD report interface

The document will take you through the following capabilities:

- **Getting Started:** How to access the tool, prerequisites, etc.
- **Reports:** How to view, customize, save and export reports.
- **Maps:** How to utilize the mapping capabilities.
- **Feedback:** How to submit and view feedback.

2. Getting Started

The Getting Started unit provides you with instructions on how to access the NLD-WRT. By the end of this unit, you will be able to access the NLD-WRT.

2.1 Technical Requirements

The NLD-WRT is a web-based application which only requires an Internet connection and you are not required to install any software. The initial release of the NLD-WRT has been designed for and tested within Internet Explorer version 7 or 8 and Firefox version 3 or 4. Other current browsers should work as well, but are considered unsupported.

To use the NLD-WRT, you will need:

1. A computer with an Internet connection.
 2. Internet Explorer or Mozilla Firefox.
 3. Access to NLD-WRT inside can be found at: <https://nld.usace.army.mil>
 4. A user name and password can be acquired by requesting through an NLD Corps stakeholder (bryan.e.baker@usace.army.mil). Once approved, the account will be created by a System Administrator and you will receive an email notification.
-

2.1.1 Launching the NLD-WRT

Launching the NLD-WRT involves opening an Internet browser and directing the browser to the NLD-WRT site.

2.1.2 Launching Internet Explorer Browser

Since the NLD-WRT is a web-based application, to launch the tool, you must first launch Internet Explorer. There are a number of ways to do this; three of the more common methods are outlined below.

Method 1: Double-click the Internet Explorer shortcut icon on the desktop.



Figure 2.1.2-1: Internet Explorer Desktop Shortcut

Method 2: Click the “Internet Explorer” or “Firefox” icon in the quick launch menu.



Figure 2.1.2-2: Quick Launch Menu

Method 3: Select Internet Explorer from the Start menu.

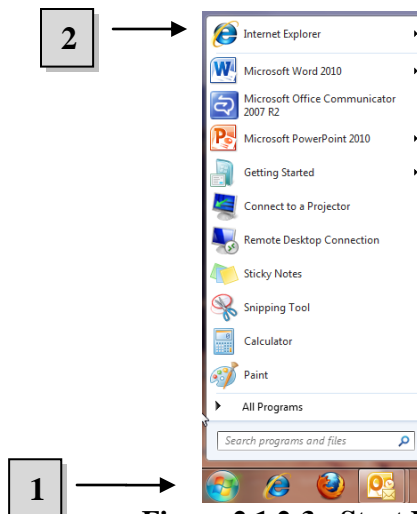


Figure 2.1.2-3: Start Menu

1. Click the “Start” icon.
2. Mouse up to Internet Explorer

2.1.3 Navigating to the NLD-WRT

Once the browser window has launched, navigate to the NLD-WRT home screen by typing in <https://nld.usace.army.mil> as shown in

Figure 2.1.3-1: Internet Explorer 7 Address Bar.

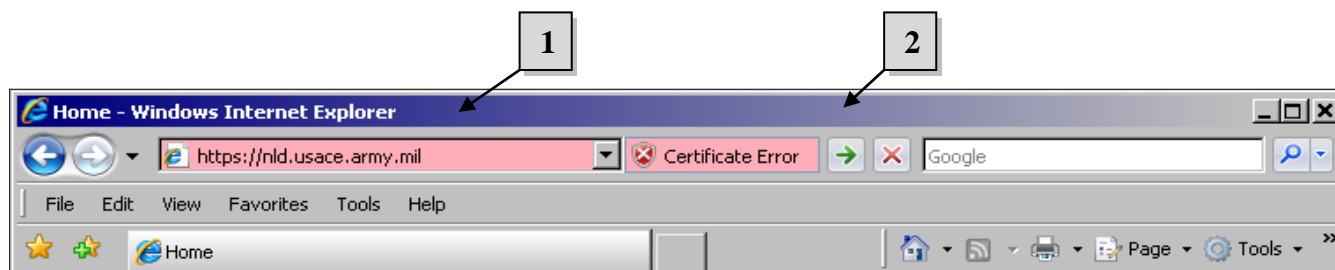


Figure 2.1.3-1: Internet Explorer 7 Address Bar

1. Enter the appropriate URL in the Address bar.
2. Hit the ENTER key on the keyboard or click the “Go” button to the right of the address in the browser.

2.2 Navigation

When accessing the NLD-WRT, you will need to type your user name and password in order to log in with your respective role(s) and the associated permission(s). To access the site without a login, use the read-only access web address above located in section 3.1. If a login is needed, click the “Help” tab to view POCs that will be able to provide login credentials. For this manual, we are going to assume that you are a “Public User,” with read only access, who has access to obtain data but does not have access to input or change data.

Please also note when logging in, if an error message regarding the website security certificate displays, click on the “Continue to this website” link.

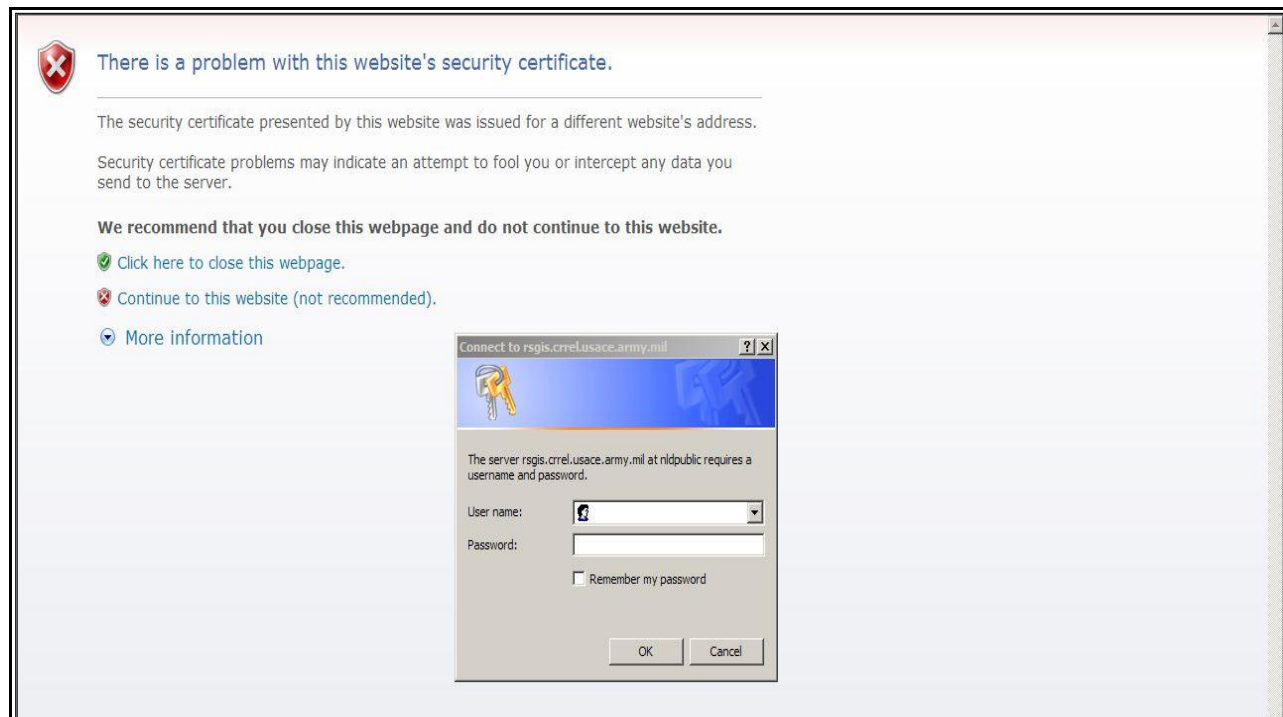


Figure 2.2-1: Certificate Error and Log-in

A username and password will have been provided to you by an NLD administrator.

Once you have logged into the NLD-WRT you will be re-directed to the “Home” tab. Please note that the tabs are displayed on the screen at the top, left side, under the banner. The “Home” tab contains an introductory welcome message. From here you may click on the different tabs to use the application. An explanation for each tab is listed below.



Figure 2.2-2: The “Home” Tab

1. Reports: Provided links to various reports and details regarding submitted levee information.
2. Maps: Contains a map with optional layers including NLD data.
3. Help: Provides additional guides and video tutorials on using NLD.
4. Feedback: Lists the status and response to submitted feedback.

3. Reports

3.1 Navigating to Reports

The “Reports” tab is the second tab in the list.



Figure 3.1-1: Reports Tab

By clicking on the “Reports” tab you will be taken to the Reports Store screen shown below in Figure 3.4.1-1: Advance Reporting. Here you can select the report interface you would like to view: Simple Reporting, Advanced Reporting, Map Query Reporting, and Find Levees Near Me.

3.2 Report Store

The report store allows you to choose which method you would like to search and view reports with four easily navigable options, as seen in Figure 3.2-1: Report Store.

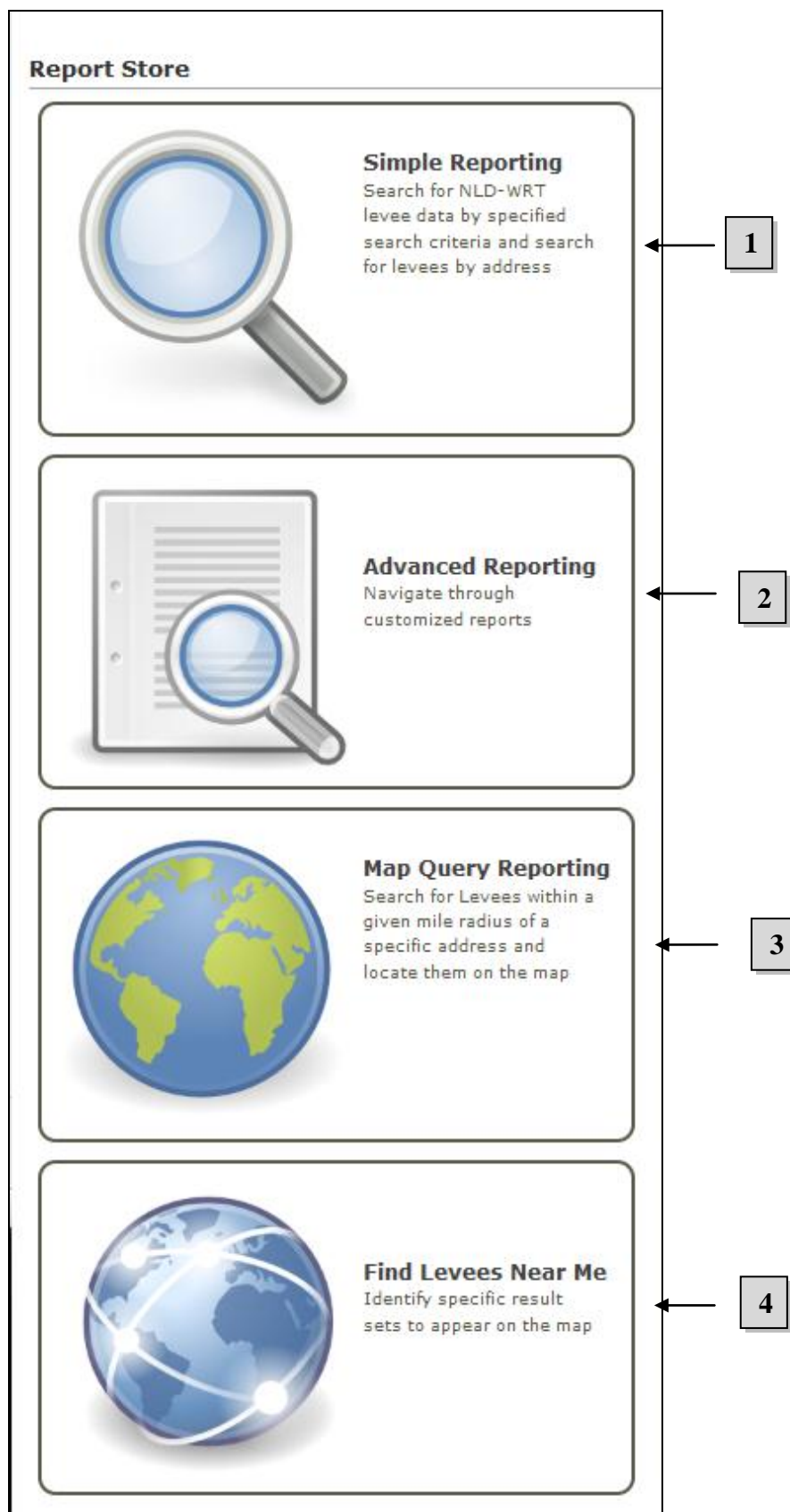


Figure 3.2-1: Report Store

1. Click the “Simple Reporting” icon to search for NLD-WRT levee data by specified search criteria and search for levees by address.
2. Click the “Advanced Reporting” icon to navigate through customized reports.
3. Click the “Map Query Reporting” icon to search for levees within a given mile radius of a specific address and locate them on the map.
4. Click the “Find Levees Near Me” icon to identify specific result sets to appear on the map.

3.3 Simple Reporting

The simple reporting interface allows a quick and easy search by State, FEMA region, USACE District, PAL status (Provisionally Accredited Levee), and RIP status (Rehabilitation and Inspection Program).

Figure 3.3-1: Simple Reporting

1. Use the dropdowns to specify State, FEMA Region, USACE District, RIP Status. To select the State, you need to press the green “+” in a circle icon. After selecting and adding a State, a County dropdown will appear to further define your search (see #4 below)
2. Click the “Submit” button to view results as seen in
3. Figure 3.3-2: Simple Reporting **Results**.
4. Click the “Return to Report Store” button to view previous screen.
5. Choose a county if desired.

Simple Reporting

States: [Add State](#)

Utah

County: All

FEMA Region: 8

USACE District: SPK

PAL Status: Any

RIP Status: ☒ Any ☐ Active ☐ Inactive

[Submit](#) [Clear](#) [Return to Report Store](#)

Actions

	System Name	USACE Districts	States	Counties	FEMA Region	Number of Segments	Total Length	Link to Map
	Redmond Channel - Sevier County, UT	SPK	Utah	Sevier County	Region 8	1	.2681	
	North Plant Levee - West Bountiful, UT	SPK	Utah	Davis County	Region 8	1	1.0981	
	Surplus Canal right bank - Salt Lake City, UT	SPK	Utah	Salt Lake County	Region 8	1	9.5479	
	Surplus Canal left bank - Salt Lake City, UT	SPK	Utah	Salt Lake County	Region 8	1	8.8936	
	Big Wash Levee - Beaver County, UT	SPK	Utah	Beaver County	Region 8	1	1.3295	

1 - 5

Figure 3.3-2: Simple Reporting Results

3.4 Advanced Reporting

The Advanced Reporting screen allows for a more customizable report. Here you may view the Interactive Reports Primer to learn about the different reports and advanced reporting features, or choose a report to view and customize, as seen in Figure 3.4-1: Advance Reporting.

Advanced Reporting

[Interactive Reports Primer](#) - Guide for using NLD-WRT Reports

[Return to Report Store](#)

Category

Category : 1 System

Report Link	Summary	Report Name	Help
District System Detail	Report providing specific details of each levee system (by District)	District System Detail	Data Included
Leveed Area Consequence Assessment	Assessment of potential impact to buildings, structures, and vehicles (numbers and value) by Levee System	Leveed Area Consequence Assessment	Data Included
System Feature	Quantity of Levee Features (gravity drains, pump stations, relief wells, boreholes, etc.) by Levee System	System Feature	Data Included

Category : 2 Segment

Report Link	Summary	Report Name	Help
District Segment Detail	Report providing specific details of each levee segment (by District)	District Segment Detail	Data Included
Segment Feature	Quantity of Levee Features (gravity drains, pump stations, relief wells, boreholes, etc.) by Levee Segment	Segment Feature	Data Included

Category : 3 Authorization

Report Link	Summary	Report Name	Help
District Authorization Detail	Report providing specific details of each levee project (by District)	District Authorization Detail	Data Included

1 - 6

Figure 3.4-1: Advance Reporting

3.4.1 Interactive Reports Primer

The Interactive Reports Primer is a PowerPoint presentation that provides an introduction to the “Interactive Reports” functionality of the NLD-WRT.

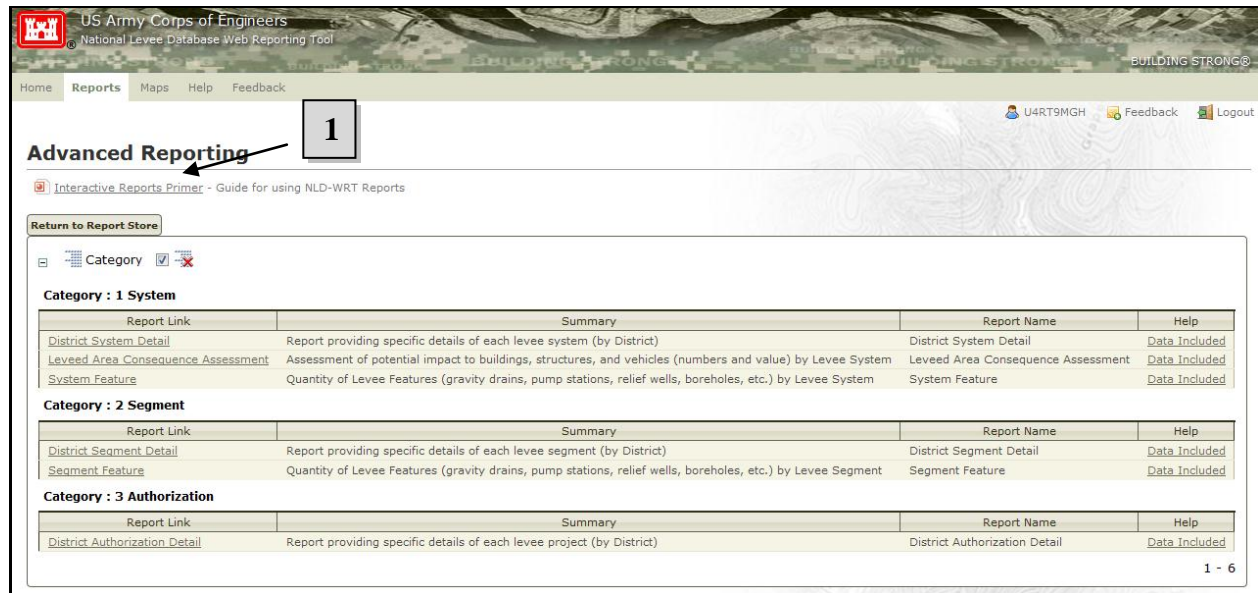


Figure 3.4.1-1: Advance Reporting, Interactive Reports Primer

1. Click on the hyperlink titled “Interactive Reports Primer”. The “File Download” pop-up will display as shown in
2. Figure 3.4.1-2: File download.

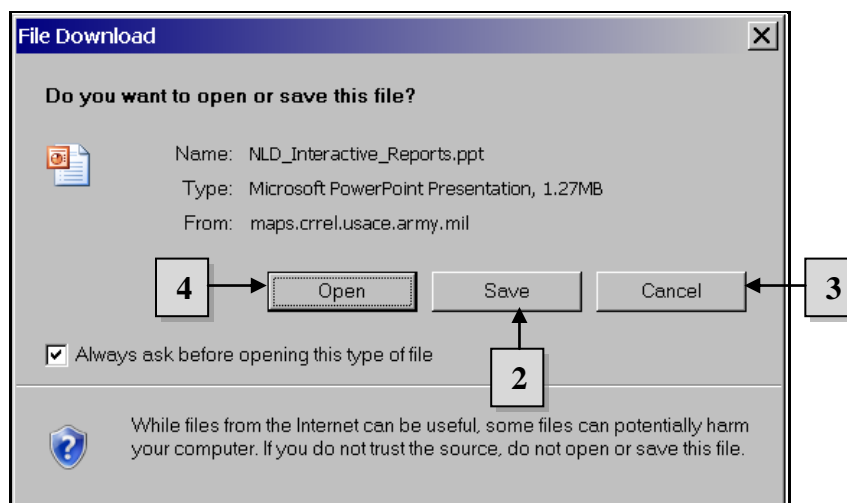


Figure 3.4.1-2: File download

3. Click the “Save” button to save the document to a specific location on the hard drive.
4. Click the “Cancel” button to return to the Reports screen (Figure 3.4.1-1: Advance Reporting).
5. Click the “Open” button to open the file and save to a temporary location on the hard drive. Click the “Open” button.

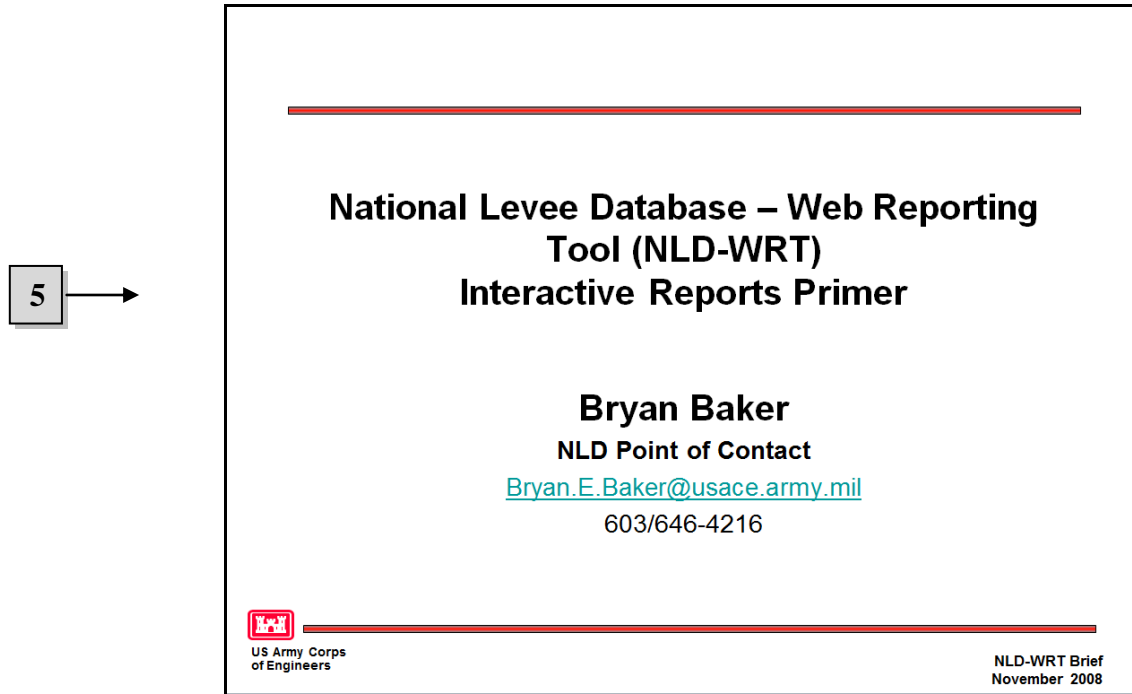


Figure 3.4.1-3: Interactive Reports Primer PowerPoint Presentation

6. The PowerPoint presentation will open in a new web browser window. We highly recommend that you peruse this document to become better acquainted with the functionality.

3.4.2 Selecting a Report

The reports area of the tool includes a number of predefined reports. Currently there are 6 reports as detailed below:

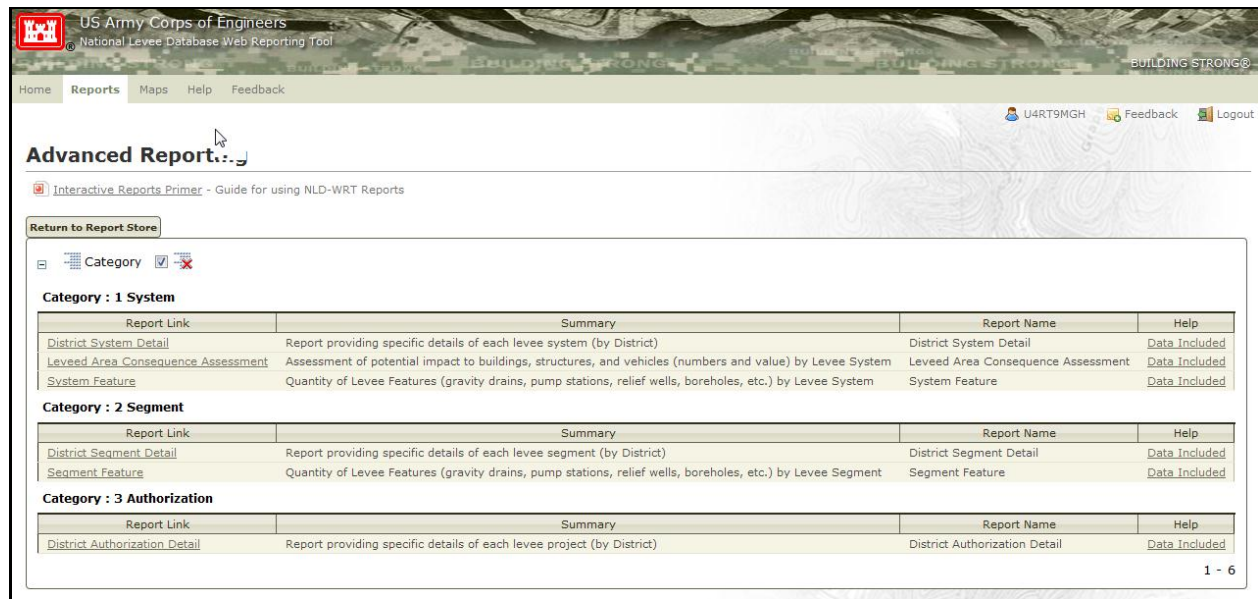


Figure3.4.2-1: Reports

1. District System Detail: Report providing specific details of each levee system (by USACE District).
2. Leveed Area Consequence Assessment: Report showing assessment of potential impact to buildings, structures, and vehicles (numbers and value) by Levee System.
3. System Feature: Report providing quantity of Levee Features (i.e. gravity drains, pump stations relief wells, boreholes, etc) by levee system.
4. District Segment Detail: Report providing specific details of each levee segment (by USACE District)
5. Segment Feature: Quantity of Levee Features (gravity drains, pump stations, relief wells, boreholes, etc.) by Levee Segment
6. District Project Detail: Report providing specific details of each levee project (by USACE District)

By clicking on a report (in this case District Segment Detail Report) you will be taken to the screen shown below in

Figure 3.4.2-2: View Report.

Division	District	FEMA Region	Cong. District	State	County	System Name	Segment Name	FC Segment ID	Sponsor	Length Mi	Construct Start	Construct End	Non Fed IET Date	Design_Flow	Design Freq	FEMA Protection Provided	FEMA Accreditation Date	RAL Status	RLP Status	Comments	NISP	Eng. NISP Date	Authorization Type
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Pineville, KY - Wallsend	Pineville, KY - Wallsend	4204000005	City of Pineville, KY	-	-	10-JAN-91	-	-	-	-	-	-	Inactive	-	-	-	USACE Federally constructed, turned over to public sponsor operations and maintenance
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Middlesboro, KY - Levee A	Middlesboro, KY - Levee A	4204000008	USACE Nashville District	-	-	14-AUG-03	-	-	-	-	-	-	Active	-	-	-	USACE Federally constructed and USACE Federally Operated
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Whitley County	Williamsburg, KY	Williamsburg, KY	4204000007	City of Williamsburg, KY	-	-	31-OCT-99	-	-	-	-	-	-	Active	-	-	-	USACE Federally constructed, turned over to public sponsor operations and maintenance
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Knox County	Barbourville, KY	Barbourville, KY	4204000006	City of Barbourville, KY	-	-	17-JUL-95	-	-	-	-	-	-	Active	-	-	-	USACE Federally constructed, turned over to public sponsor operations and maintenance
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Pineville, KY - Pineville	Pineville, KY - Pineville	4204000004	City of Pineville, KY	-	-	19-JAN-91	-	-	-	-	-	-	Active	-	-	-	USACE Federally constructed, turned over to public sponsor operations and maintenance
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Harlan County	Harlan County, KY - Rio Vista	Harlan County, KY - Rio Vista	4204000003	Harlan County, KY	-	-	01-JUL-00	-	-	-	-	-	-	Active	-	-	-	USACE Federally constructed, turned over to public sponsor operations and maintenance
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Harlan County	Harlan County, KY - Loyall	Harlan County, KY - Loyall	4204000002	Harlan County, KY	-	-	04-FEB-00	-	-	-	-	-	-	Active	-	-	-	USACE Federally constructed, turned over to public sponsor operations and maintenance

Figure 3.4.2-2: View Report

3.5 Interactive Reporting Tools

NLD Reports are fully customizable. You have the ability to create your own custom reports and save them in the system. All columns and rows are customizable so that you may search, organize, filter, summarize and save the data using the interactive reporting tool features available in the top left of the report data screen. These tools can be used on any of the reports. In addition, the interactive reporting is accessible at the top of the Standard Reports result list to provide additional search and display capabilities.

The basic functions of interactive reporting tool include the following:

Division	District	FEMA Region	Cong. District	State	County	System Name	Segment Name	FC Segment ID	Sponsor	Length Mi	Construct Start	Construct End	Non Fed IET Date	Design_Flow	Design Freq	FEMA Protection Provided
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Pineville, KY - Wallsend	Pineville, KY - Wallsend	4204000005	City of Pineville, KY	-	-	10-JAN-91	-	-	-	-
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Middlesboro, KY - Levee A	Middlesboro, KY - Levee A	4204000008	USACE Nashville District	-	-	14-AUG-03	-	-	-	-
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Whitley County	Williamsburg, KY	Williamsburg, KY	4204000007	City of Williamsburg, KY	-	-	31-OCT-99	-	-	-	-

Figure 3.5-1: View Report

1. Search: Allows you to search for a specific word within the columns list. See Figure 3.5.1-1 for complete list of columns.
2. Actions Menu: Allows you to customize the report to your liking. Options include Select Columns, Filter, Rows Per Page, Format, Save Report, Reset, Help and Download.

3.5.1 Search

The “Search” feature allows you to search for a specific word within the results list.

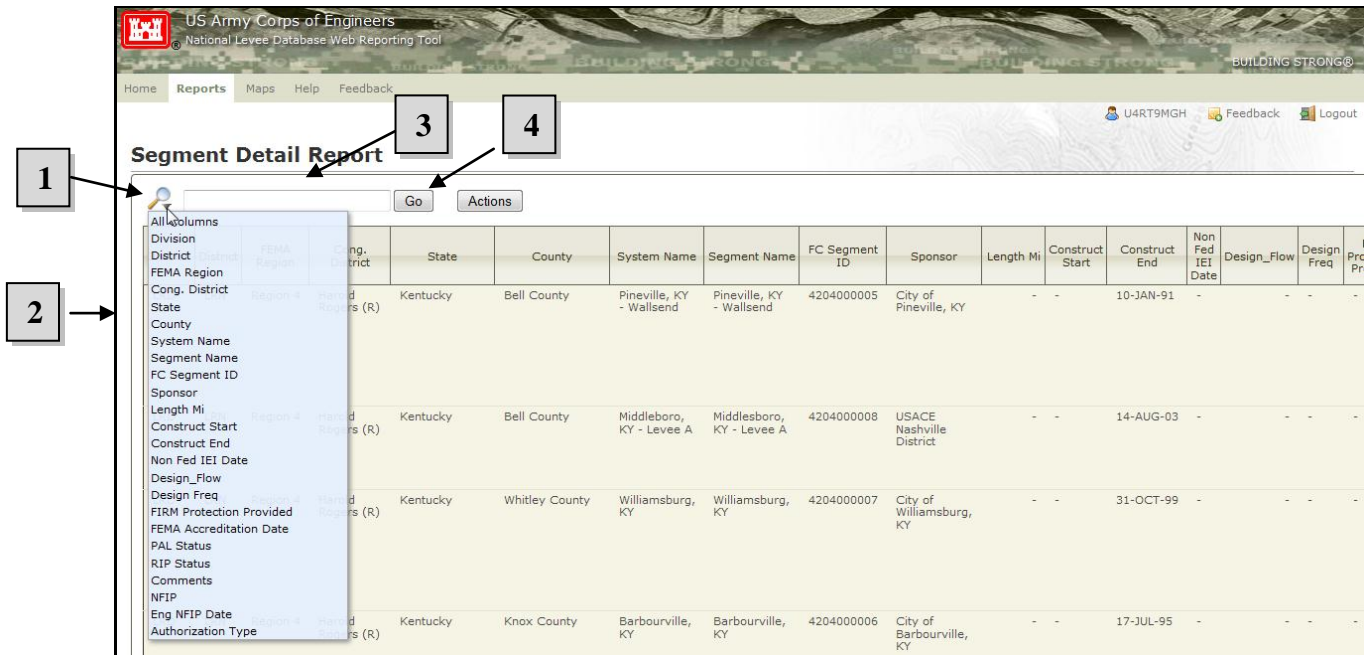


Figure 3.5.1-1: Search

1. Click on the magnifying glass. A column will display with your search options.
2. Select a column name.
3. Insert search criteria in the search box.
4. Click the “Go” button to submit the search. When the system is loading, it will display a symbol in the center top of the screen to notify you of its current status as shown in
5. Figure 3.5.1-2: Loading Symbol.

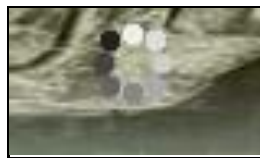


Figure 3.5.1-2: Loading Symbol

Segment Detail Report

Search: Go Actions

Filters: District contains 'POA' ☒ ☐ Filter ☒ ☐

Division	District	FEMA Region	Cong. District	State	County	System Name	Segment Name	FC Segment ID	Sponsor	Length Mi	Construct Start	Construct End	Non Fed IEI Date	Design Flow	Design Freq	FIRM Protection Provided	FEMA Accreditation Date	PAL Status	RIP Statu
POD	POA	Region 10	Don Young (R)	Alaska	Fairbanks North Star Borough	Tanana River Levee	Tanana River Levee-Federal	2104000007	U.S. Army Corps of Engineers	-	-	01-SEP-81	-	-	-	-	-	-	Active
POD	POA	Region 10	Don Young (R)	Alaska	Fairbanks North Star Borough	Tanana River Levee	Tanana River Levee	2104000001	Fairbanks North Star Borough	-	-	01-SEP-81	-	-	-	-	-	-	Active
POD	POA	Region 10	Don Young (R)	Alaska	Valdez-Cordova Census Area	Klutina River Levee at Copper Center	Klutina River Levee at Copper Center	2104000002	Alaska D.O.T. and Public Facilities	-	-	01-AUG-72	-	-	-	-	-	-	Active

Figure 3.5.1-3: Display Criteria

6. After the system loads, it will display the searched criteria below the search bar.
7. The interactive reporting capability displays a table of results based upon your search criteria.
8. By clicking the checked box on and off you can remove the specific search terms from the results table.
9. By clicking the “Filter” icon with the red “X” you can completely remove the specific search terms.

3.5.2 Actions Menu

The Actions Menu contains many tasks that are useful in manipulating an Interactive Report. All Interactive Reporting functions from the Actions Menu are displayed in the example report as shown in

Figure 3.5.2.1-1: Actions Menu Functions.

3.5.2.1 Select Columns

The “Select Columns” option in the actions menu allows you to reorder/modify the columns displayed in a report.

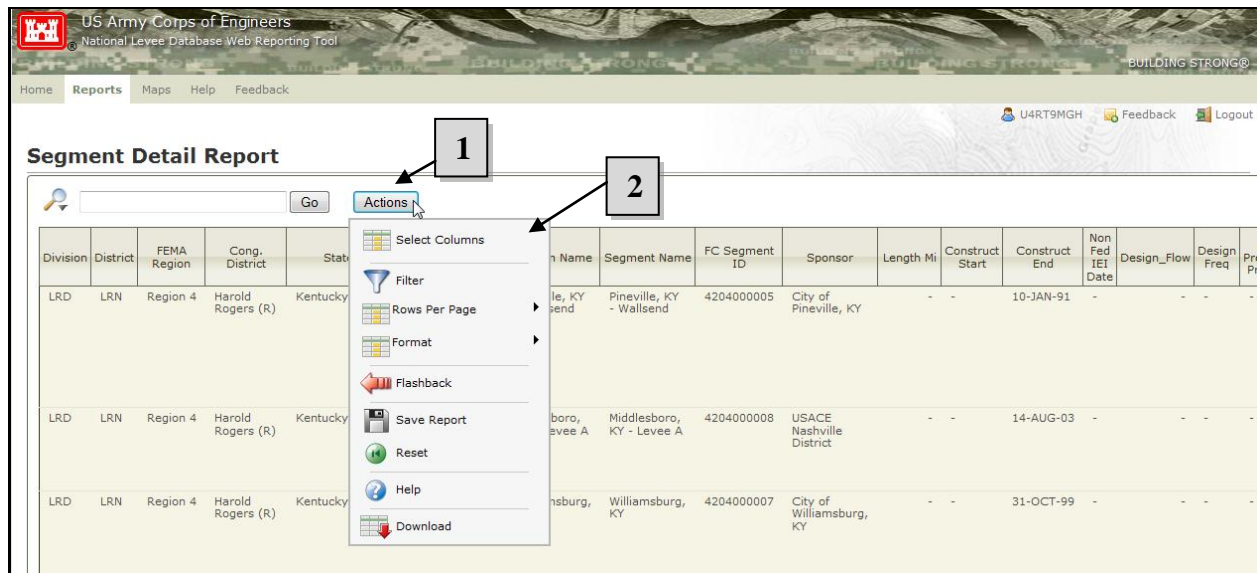


Figure 3.5.2.1-1: Actions Menu Functions

1. Click on the “Actions” button
2. Click on Select Columns. A new region will display as shown below in
3. Figure 3.5.2.1-2: Actions Menu- Select Columns.

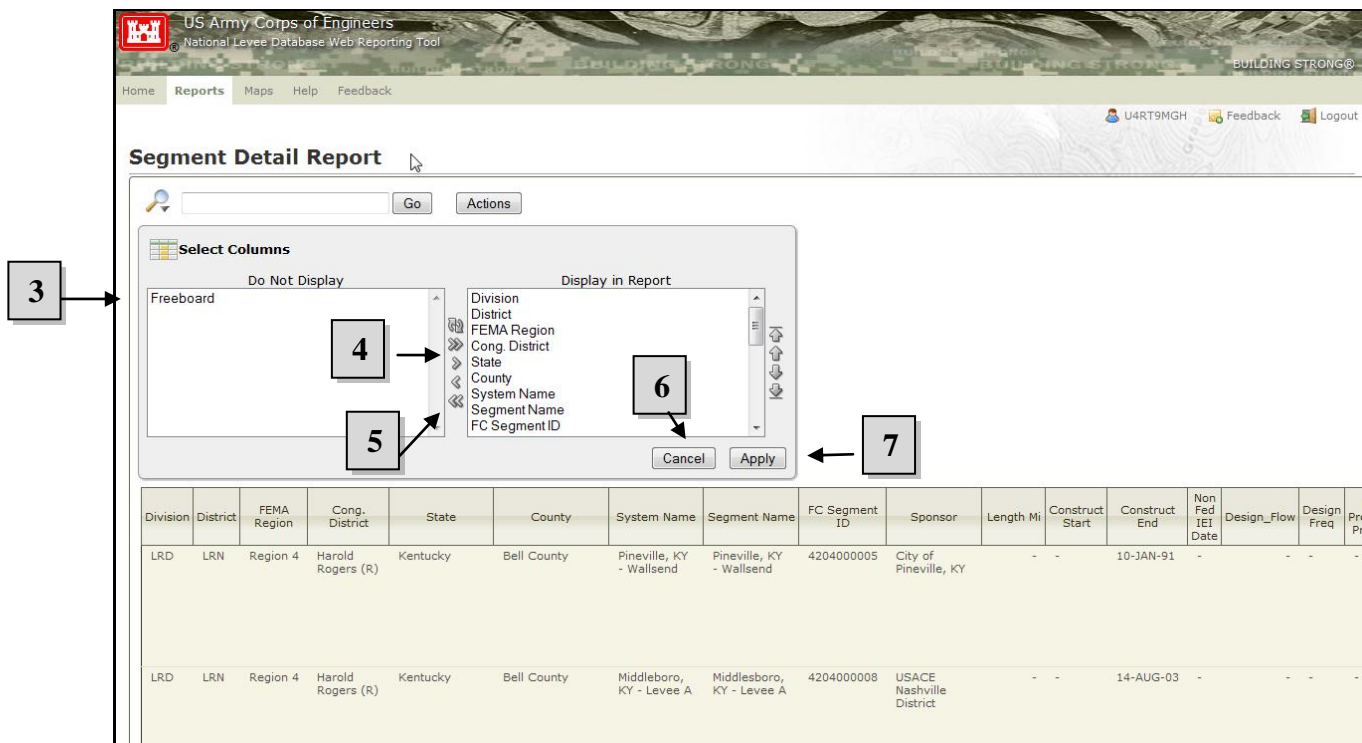


Figure 3.5.2.1-2: Actions Menu- Select Columns

4. Click on a column name (i.e. “Freeboard”) in the “Do Not Display” Column. The column name will become highlighted (Note: You can also click on a name in the “Display in Report” Column).
5. Click the single arrow to move it over to the “Display in Report” window. The arrow pointing right will move the column to the “Display in Report” window and vice versa.
6. To move all columns to one side or the other, click the double arrows.
7. Click the “Cancel” button to reset.
8. Click the “Apply” button to have your desired settings displayed.

3.5.2.2 Filtering Option

The “Filter” option allows you to modify the report query through the use of Oracle operators and/or expressions.

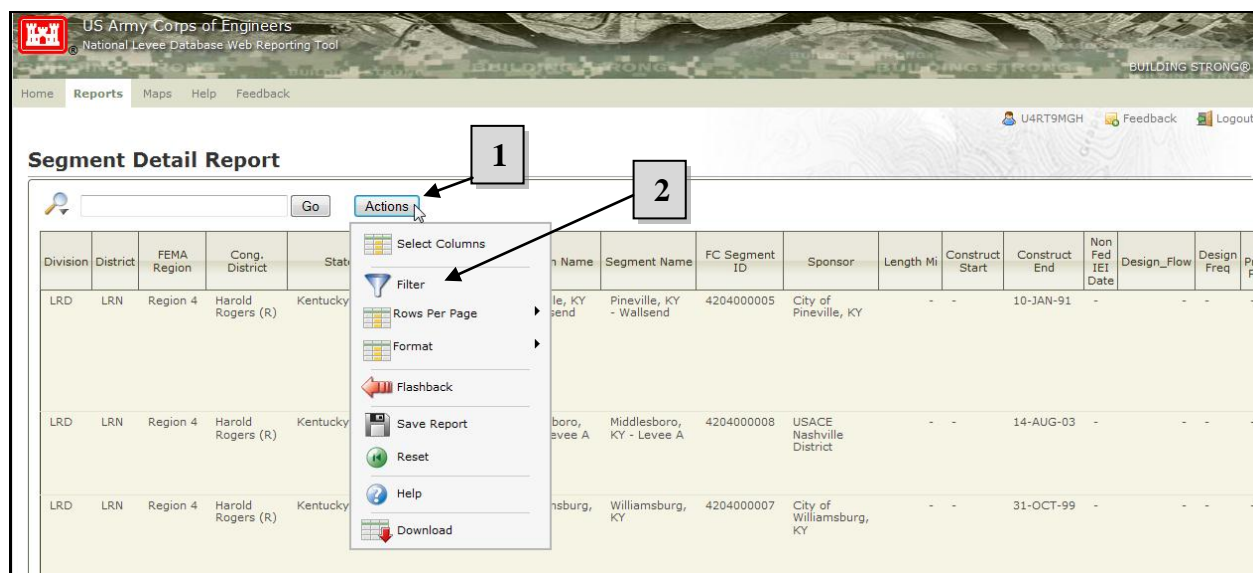


Figure 3.5.2.2-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Filter. A new region will display as shown below in
3. Figure 3.5.2.2-2: Actions Menu- Fi.

Segment Detail Report

Filter Type: ☒ Column ☐ Row

Column: FEMA Region Operator: = Expression:

Cancel Apply

Division	District	FEMA Region	Cong. District	State	County	System Name	Segment Name	FC Segment ID	Sponsor	Length Mi	Construct Start	Construct End	Non Fed IEI Date	Design_Flow	Design Freq	Pi
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Pineville, KY - Wallsend	Pineville, KY - Wallsend	4204000005	City of Pineville, KY	-	-	10-JAN-91	-	-	-	-
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Bell County	Middleboro, KY - Levee A	Middlesboro, KY - Levee A	4204000008	USACE Nashville District	-	-	14-AUG-03	-	-	-	-
LRD	LRN	Region 4	Harold Rogers (R)	Kentucky	Whitley County	Williamsburg, KY	Williamsburg, KY	4204000007	City of Williamsburg, KY	-	-	31-OCT-99	-	-	-	-

Figure 3.5.2.2-2: Actions Menu- Filter

4. Select a column by clicking on the Column drop down list.
5. Select an operator by clicking on the Operator drop down list.
6. Select an expression by clicking on the Expression drop down list or type your own expression into the field.
7. Click the “Apply” button. Results are filtered. You can apply multiple filters on data, check them on or off, and remove them if necessary (See Step 7-8 under 3.5.1 Search).

3.5.2.3 Sort

The “Sort” option in the actions menu allows you to arrange the columns in a report.

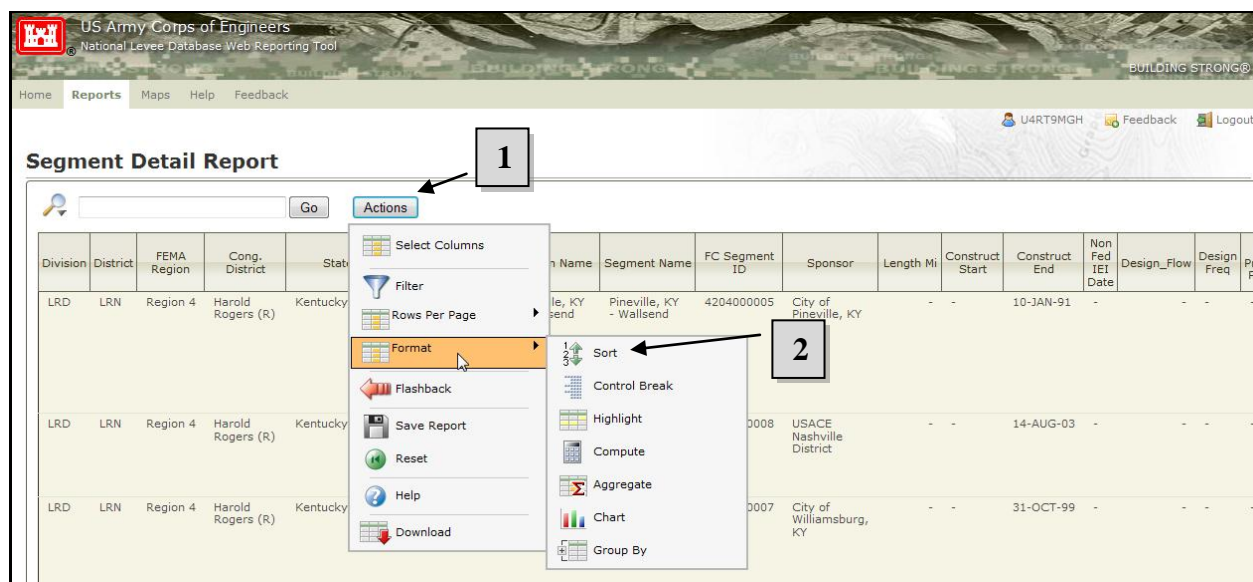


Figure 3.5.2.3-1: Advanced Search Options

1. Click on the “Actions” button.
2. Click on Format - Sort. A new region will display as shown below in
3. Figure 3.5.2.3-2: Actions Menu- Sort.

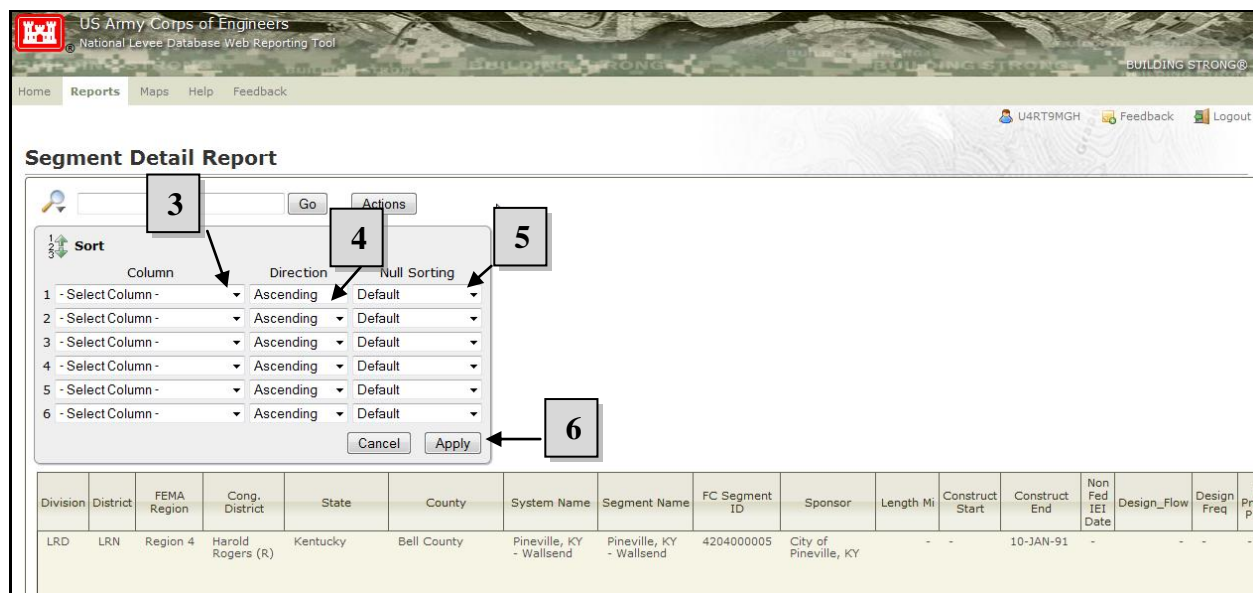


Figure 3.5.2.3-2: Actions Menu- Sort

4. Click on drop down arrow in the Columns box to change columns to sort.
5. Click the drop down arrow in the Direction box to sort the reports in ascending or descending order.
6. Click the drop down arrow in the Null Sorting box to determine where you want your null results to populate.
7. Click the “Apply” button (you also have the choice of clicking the “Cancel” button to rest).

3.5.2.4 Control Break

The “Control Break” option in the actions menu allows you to organize the data by grouping results into sections.

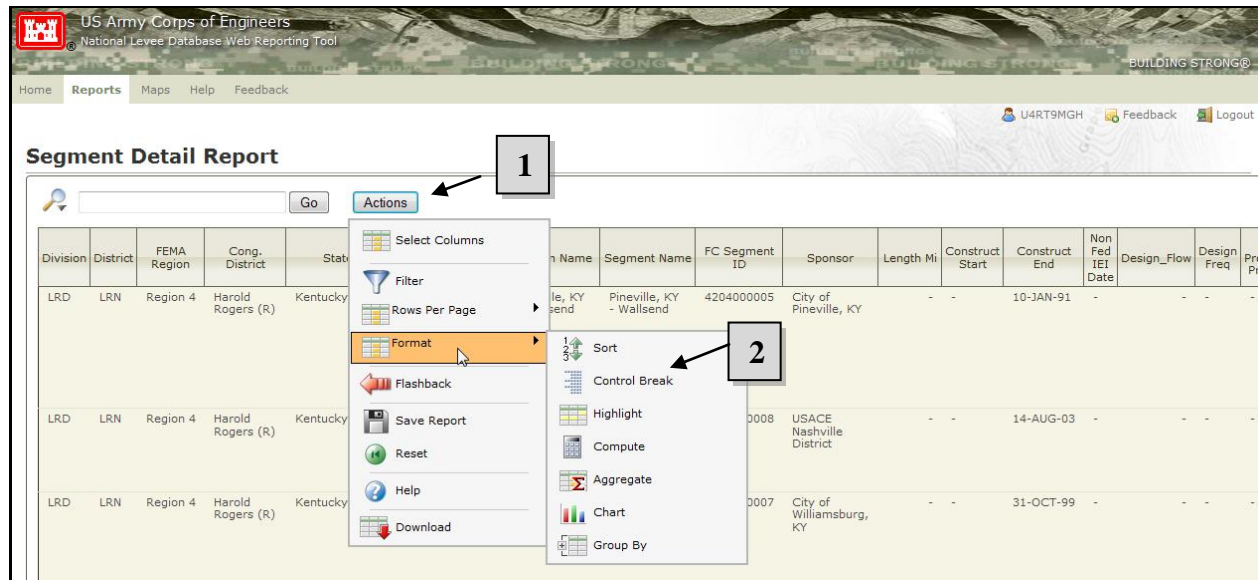


Figure 3.5.2.4-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Format - Control Break. A new region will display as shown below in
3. Figure 3.5.2.4-2: Actions Menu- Control **Break**.

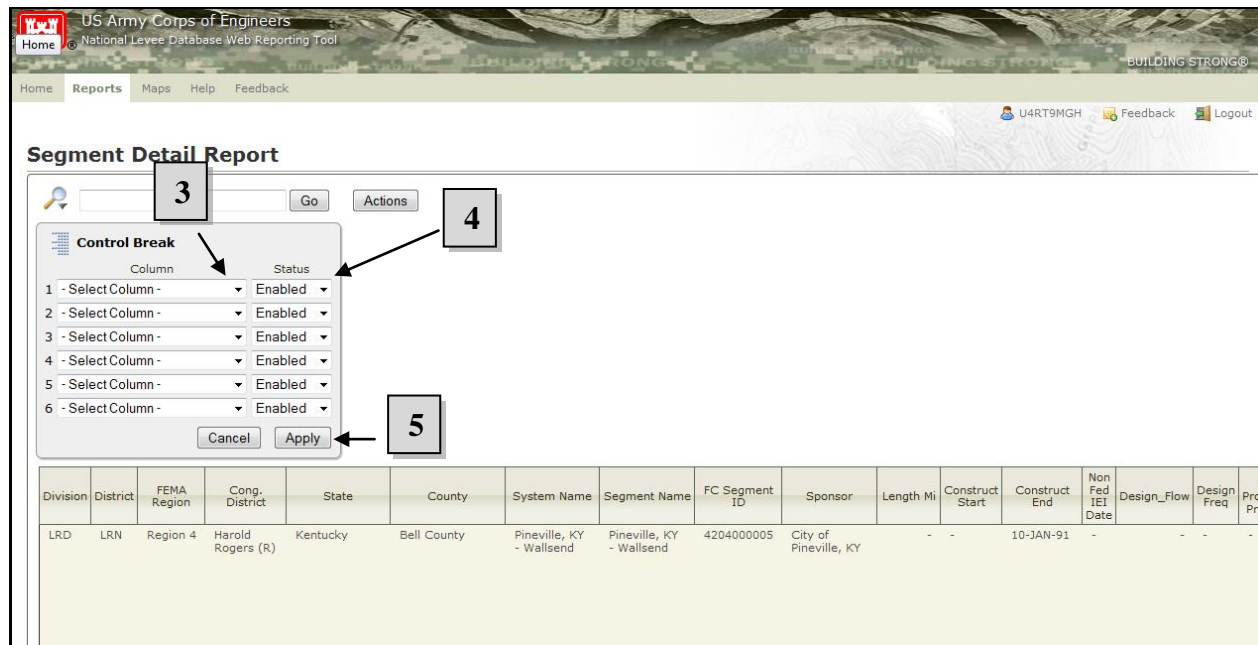


Figure 3.5.2.4-2: Actions Menu- Control Break

4. Click on drop down arrow in the Columns box to group data into several columns
5. Click the drop down arrow in the Status box to enable or disable the column.
6. Click the “Apply” button (You also have the choice of clicking the “Cancel” button to reset).

3.5.2.5 Highlight

The “Highlight” option in the actions menu allows you define a filter.

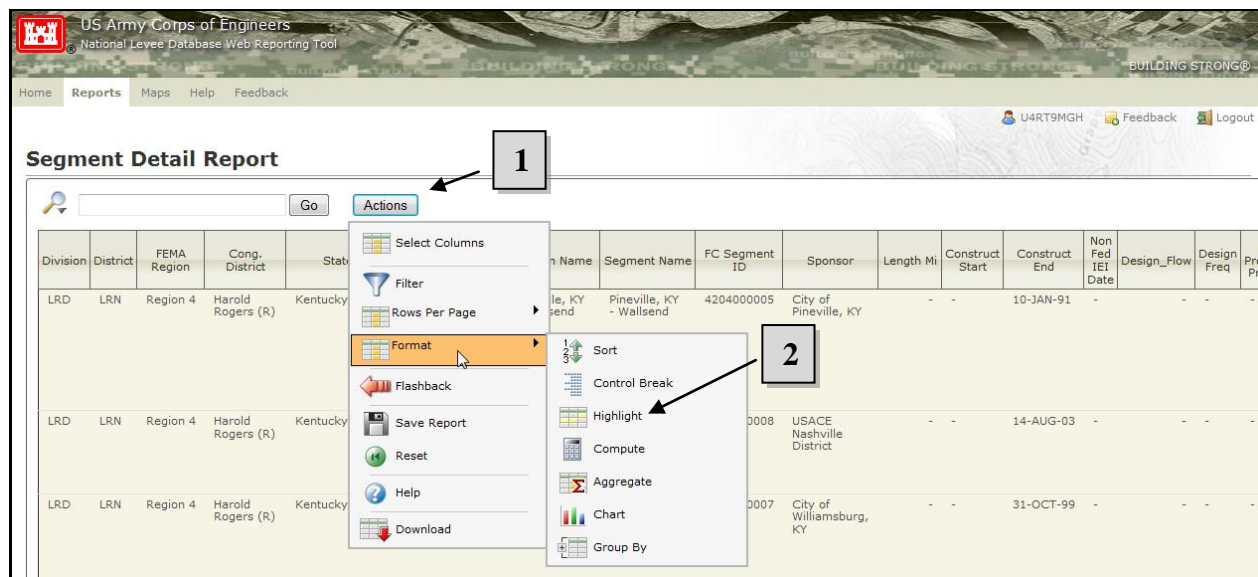


Figure 3.5.2.5-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Format- Highlight. A new region will display as shown below in
3. Figure 3.5.2.5-2: Actions Menu- **Highlight**.

Division	District	FEMA Region	Conq. District	State	County	System Name	Segment Name	EC Segment ID	Sponsor	Project Type	Length
POD	POA	Region 10	Don Young (R)	Alaska	Skagway-Moonah-Angeon Census Area	Skagway River Levee	Skagway River Levee	21040000005	Skagway Borough	USACE Federally constructed, turned over to public sponsor operations and maintenance	
POD	POA	Region 10	Don Young (R)	Alaska	Bethel Census Area	Aniak Levee	Aniak Levee	21040000004	City of Aniak	USACE Federally constructed, turned over to public sponsor operations and maintenance	
POD	POA	Region 10	Don Young (R)	Alaska	Prince Of Wales-Outer Ketchikan Census	Salmon River Levee	Salmon River Levee	21040000003	Alaska Dept. of Transportation and Public Fac	USACE Federally constructed, turned over to public sponsor operations and maintenance	

Figure 3.5.2.5-2: Actions Menu- Highlight

4. Enter Name
5. Enter a number in the “Sequence” box. A sequence identifies the sequence in which the rules will be evaluated.
6. Select Enabled. This identifies if the rule is enabled or disabled.
7. Select the Highlight Type. This will identify whether the Row or Cell should be highlighted.
8. You can apply colors to certain data set by clicking on the color links beside the background color box and text color box. If you do not like the color selections given by the links, click on the multicolor box. A separate window will display with more color options.
9. By selecting the Column, Operator, and Expression in the Highlighted Condition section you will define your filter condition.
10. Click the “Apply” button. The fields you selected will be highlighted. (You also have the choice of clicking the “Cancel” button to reset.)

3.5.2.6 Compute

The “Compute” option in the actions menu allows you to add computed columns to a report. These can be mathematical computations or standard Oracle functions applied to existing columns.

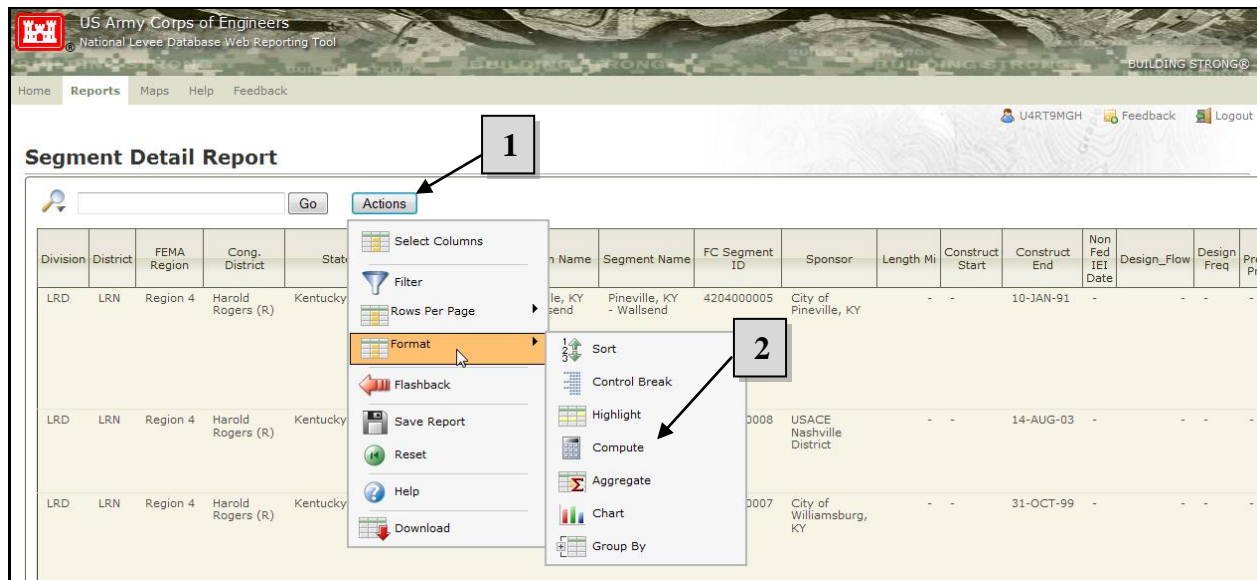


Figure 3.5.2.6-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Format - Compute. A new region will display as shown below in Figure 3.5.2.6-2: Actions Menu- Compute.

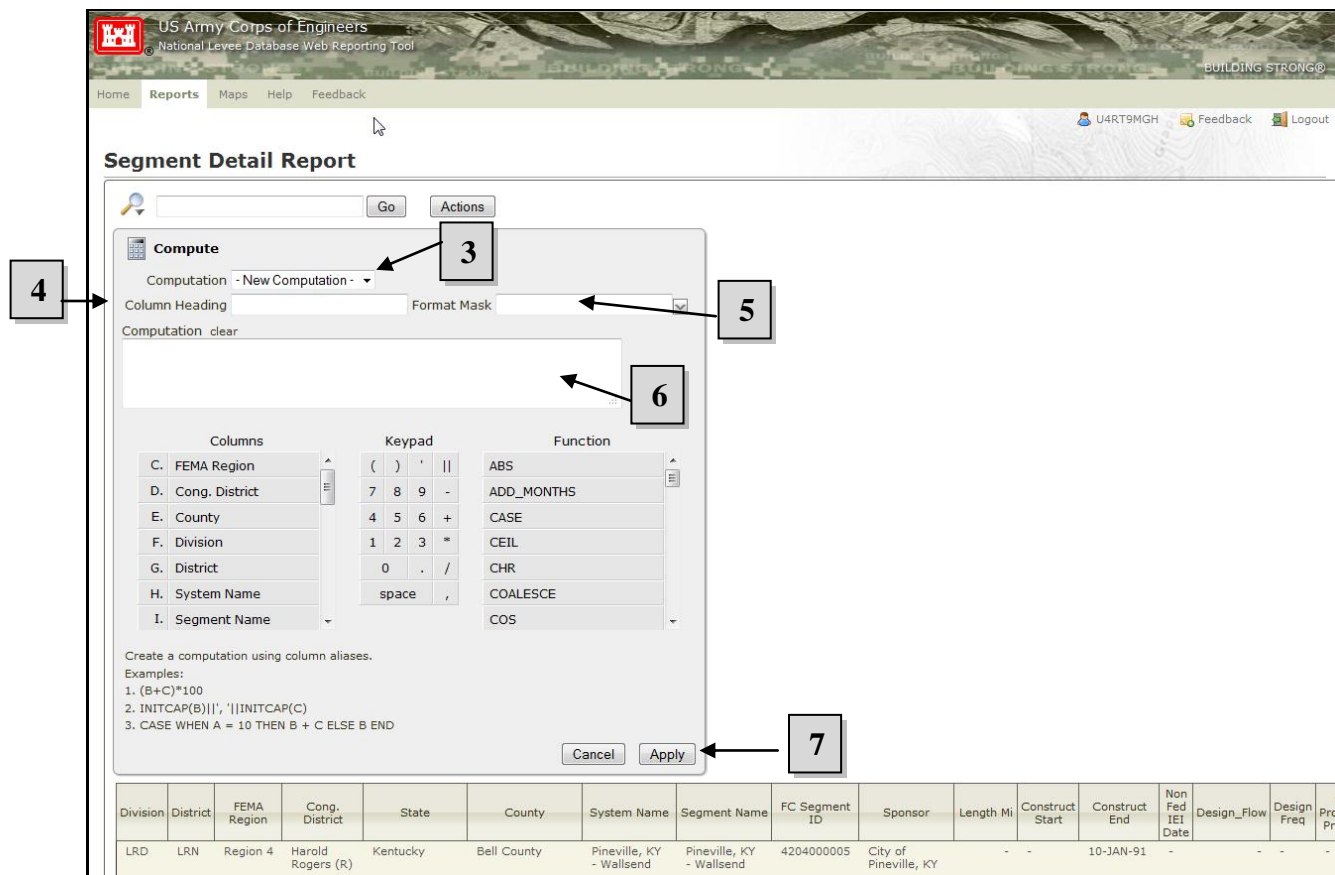


Figure 3.5.2.6-2: Actions Menu- Compute

3. Click on the drop down arrow in the Computation box to select a Computation.
4. Fill in the Column Heading box.
5. Select a Format Mask (to define how the data is to be displayed).
6. Fill in Computation box. Within the computation columns are referenced using the aliases displayed. Clicking on the column name or alias will write them into the Computation. Please note the keypad is displayed as a shortcut. These are commonly used keys.
7. Click the “Apply” button (You also have the choice of clicking the “Cancel” button to rest).

3.5.2.7 Aggregate

The “Aggregate” option in the actions menu allows you to aggregate columns in the report. Aggregates are mathematical computations performed against a column.

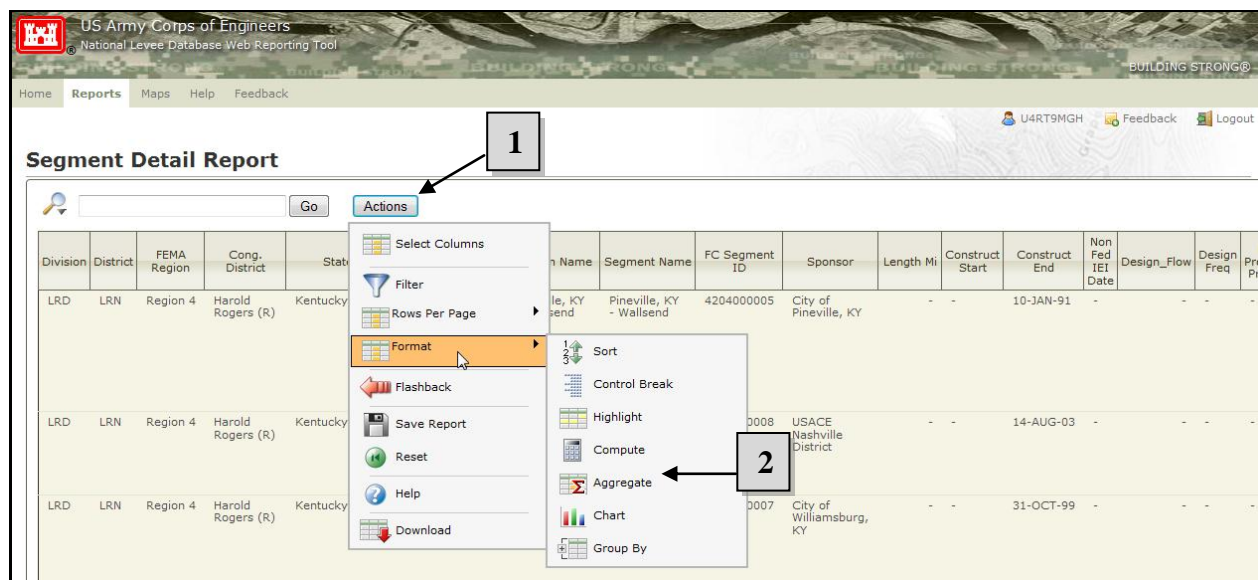


Figure 3.5.2.7-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Format - Aggregate. A new region will display as shown below in
3. Figure 3.5.2.7-2: Actions Menu- **Aggregate**.

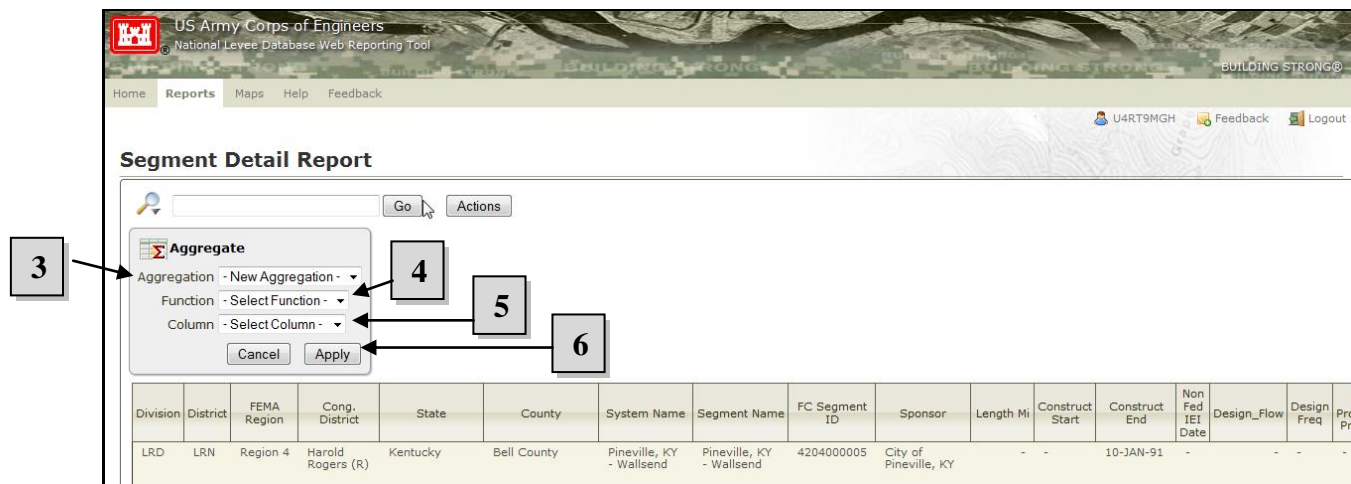


Figure 3.5.2.7-2: Actions Menu- Aggregate

4. Click the drop down arrow in Aggregations box to select an Aggregation.
5. Click the drop down arrow in Function box to select a Function to be preformed.
6. Click the drop down arrow in the Column box to select a Column to apply the mathematical function to. Only numeric columns will be displayed.
7. Click the “Apply” button (You also have the choice of clicking the “Cancel” button to reset).

3.5.2.8 Reset

The “Reset” option in the actions menu allows you to reset the report back to the default settings and remove any customizations that were added.

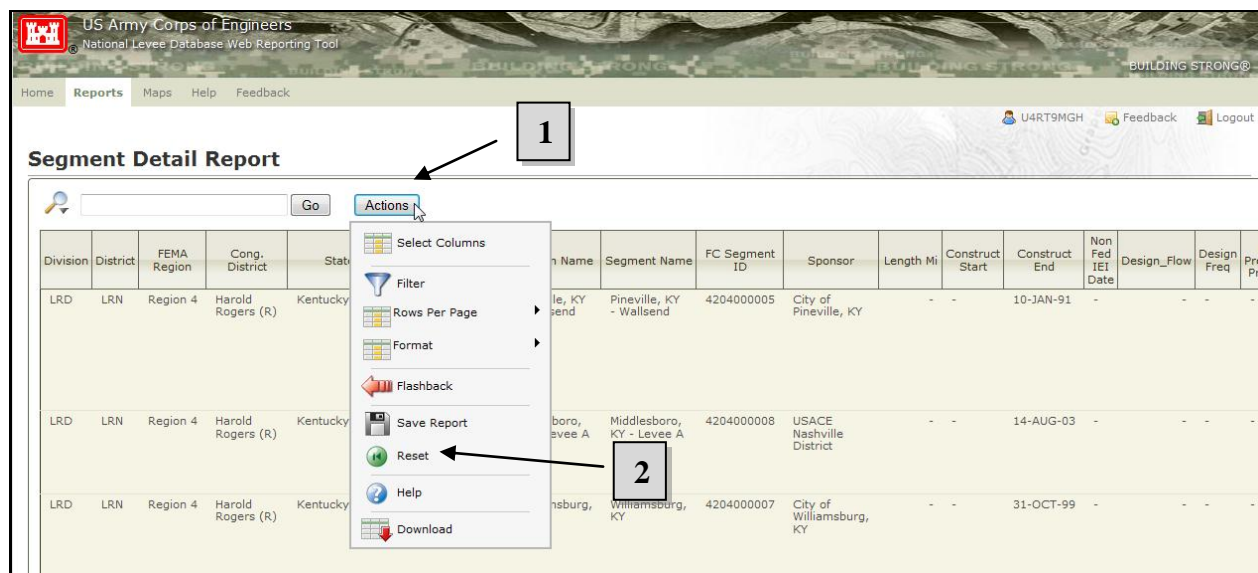


Figure 3.5.2.8-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Reset. A new region will display as shown in
3. Figure 3.5.2.8-2: Actions Menu- **Reset**.



Figure 3.5.2.8-2: Actions Menu- Reset

4. Click the “Apply” button to reset report to the default settings.
5. Click the “Cancel” button if you do not want to reset report.

3.5.2.9 Help

The “Help” option in the actions menu provides a detailed explanation on the Interactive Reporting functions.

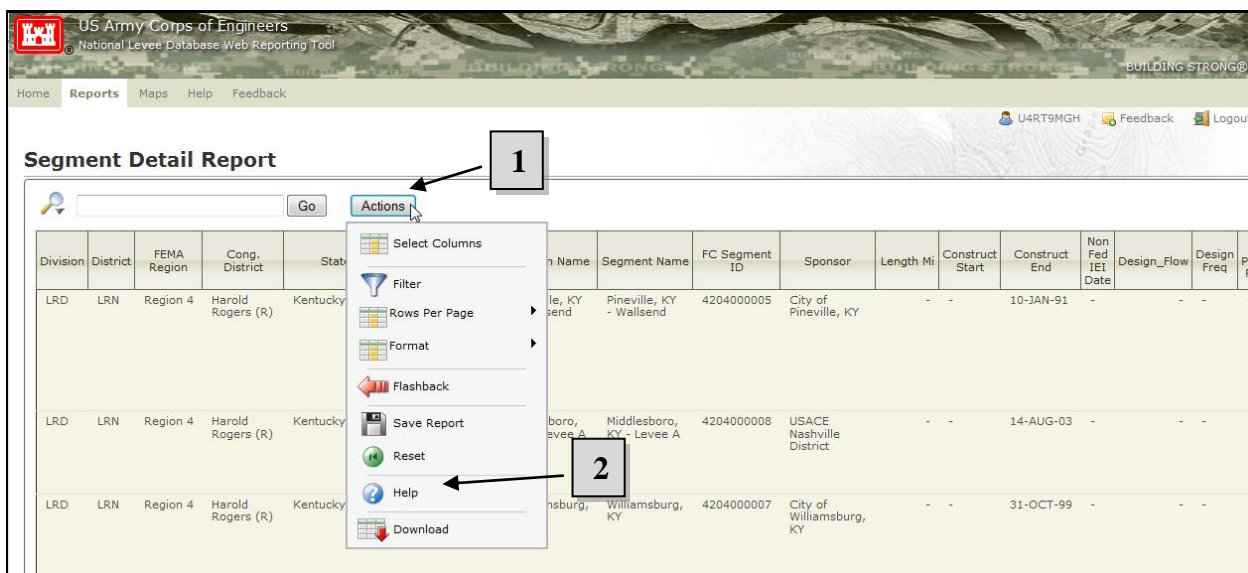


Figure 3.5.2.9-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Help. A new region will display as shown in
3. Figure 3.5.2.9-2: Actions Menu- **Help** .

Interactive Report Help

Interactive report regions enable end users to customize reports. Users can alter the layout of report data by selecting columns, applying filters, highlighting, and sorting. Users can also define breaks, aggregations, charts, group bys, and add their own computations. Users can also set up a subscription so that an HTML version of the report will be emailed to them at a designated interval. Users can create multiple variations of a report and save them as named reports, for either public or private viewing.

An interactive report can be customized using the Search bar, Actions menu, or Column Heading menu. To learn more, see “Customizing Interactive Reports” in online Help.

Search Bar

At the top of each report page is a search region. This region (or Search bar) provides the following features:

- **Select columns icon** enables you to identify which column to search (or all).
- **Text area** enables you to enter case insensitive search criteria (wild card characters are implied).
- **Go button** executes the search.
- **Reports** displays alternate default and saved private or public reports.
- **Actions Menu** enables you to customize a report. See the sections that follow.

Actions Menu

The Actions menu appears to the right of the Go button on the Search bar. Use this menu to customize an interactive report.

Select Columns

Used to modify the columns displayed. The columns on the right display. The columns on the left are hidden. You can reorder the displayed columns using the arrows on the far right. Computed columns are prefixed with **.

Filter

Focuses the report by adding or modifying the WHERE clause on the query. You can filter on a column or by row.

If you filter by column, select a column (it does not need to be one that displays), select a standard Oracle operator (=, !=, not in, between), and enter an expression to compare against. Expressions are case sensitive. Use % as a wild card (for example, STATE_NAME like A%).

If you filter by row, you can create complex WHERE clauses using column aliases and any Oracle functions or operators (for example, G = 'VA' or G = 'CT', where G is the alias for CUSTOMER_STATE).

Rows Per Page

Sets the number of records to display per page.

Format

Format enable you to customize the display of the report. Format contains the following submenu:

- Sort
- Control Break
- Highlight
- Compute
- Aggregate
- Chart
- Group By

Sort

Figure 3.5.2.9-2: Actions Menu- Help

3.5.2.10 Download

The Download option in the actions menu allows you to download the current result set of the report into an Excel CSV file.

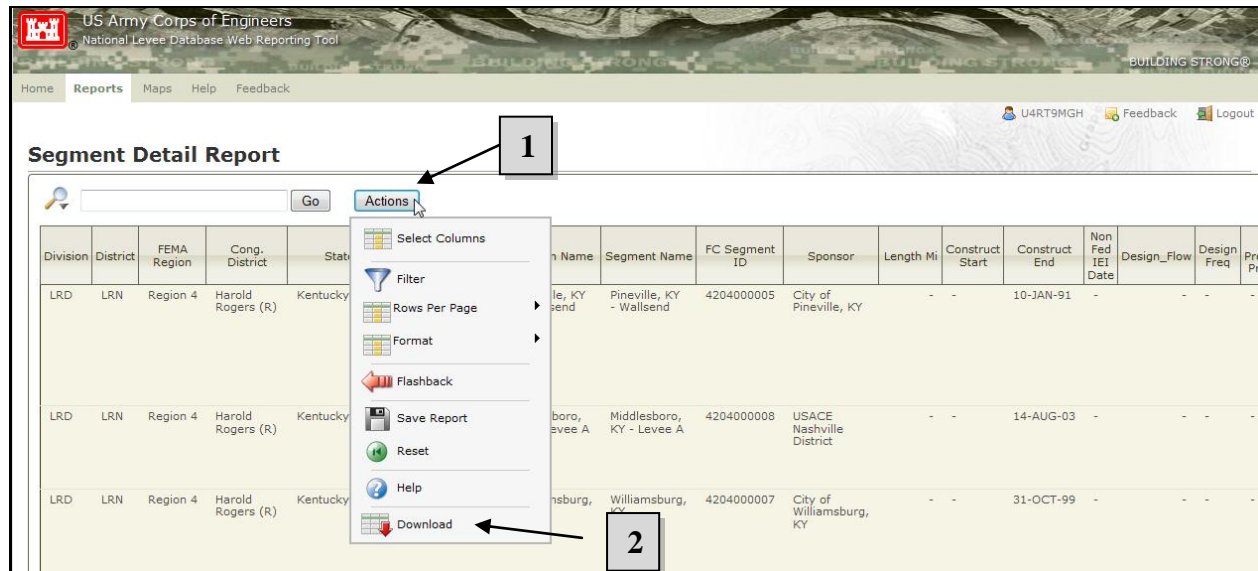


Figure 3.5.2.10-1: Actions Menu Functions

1. Click on the “Actions” button.
2. Click on Download. A new region will display as shown in
3. Figure 3.5.2.10-2: Actions Menu- **Download**.



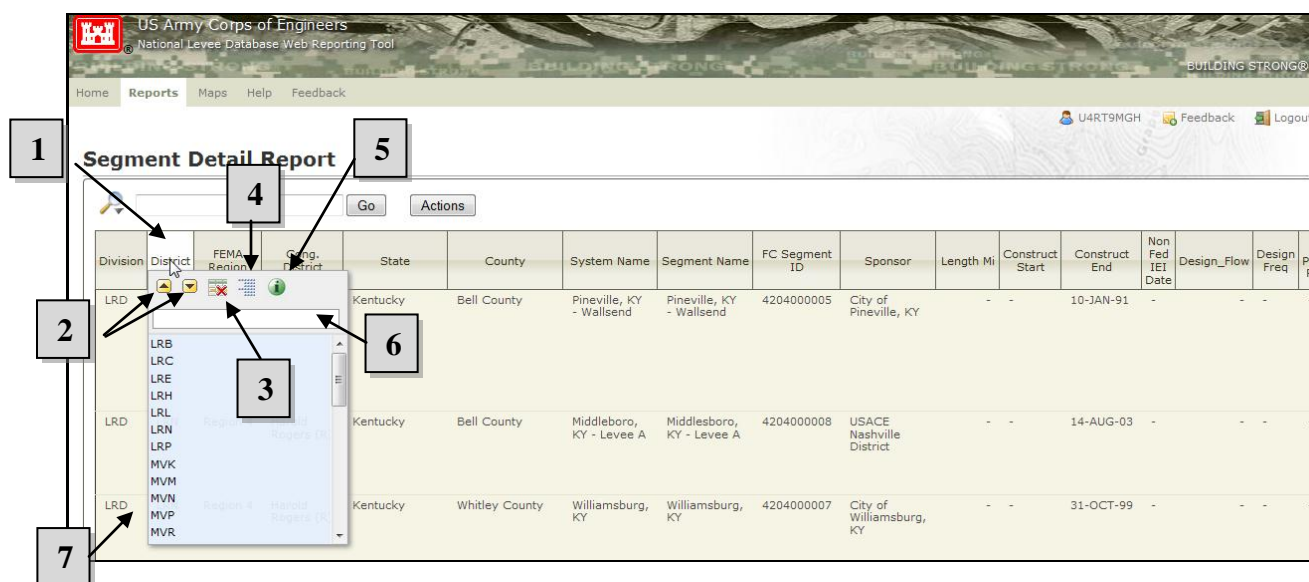
Figure 3.5.2.10-2: Actions Menu- Download

- To download the report to Excel CSV, click the Excel CSV icon. You will be given the option to open or save the file. Choose to open the file to store in a temporary location on your hard drive, or save it to specify the location of the file.

3.5.2.11 Using Interactive Columns

In addition to creating an interactive report within a Standard Report results list, an interactive report can be created within a column of the results list.

The basic functions of interactive reporting within a column include the following:

**Figure 3.5.2.11-1: Interactive Columns Report**

The basic functions of interactive reporting within a column include the following:

- Column Header: Allows you to click the column header within a results list to display the interactive reporting capabilities.
- Sort Ascending/Descending: Allows you to sort column results list in ascending/descending order.
- Hide Column: Allows you to hide column from results list.
- Control Break: Allows you to organize the data by grouping results into sections.
- Column Information: Gives a short description/definition of the column.
- Search Field: Allows you to enter a word to search for within the column results list.
- Column Results: Allows you to select an individual column result to display.

3.6 Find Levees Near Me

This reporting feature allows users to identify specific levees that are within a specified distance of whatever location the user enters, and then map each result on a map.

The screenshot shows the 'Find Levees Near Me' form. Callout 1 points to the 'Zip Code' input field, and callout 2 points to the 'Submit' button. The form includes a 'Distance' input field with a unit of 'miles', a 'Return to Report Store' button, and an 'Actions' button. Below the buttons, it says 'No data found.' The background is a topographic map of the Ozark region.

Figure 3.6-1: Find Levees Near Me

1. Enter the Zip Code and Distance
2. Click the “Submit” button.

The screenshot shows the results of the search. Callout 3 points to the table of results. The table lists four levee systems: Arlington, Anacostia, Alexandria, and District of Columbia. Each row includes details about the system name, USACE District, State, County, FEMA Region, number of segments, total length, and a map URL. The background is a topographic map of the Ozark region.

	System Name	USACE Districts	States	Counties	FEMA	Num Segs	Total Length	Map Url
	Arlington	NAB	Virginia	Alexandria City, Arlington County	Region 3	1	1.1046	
	Anacostia	NAB	District Of Columbia	District Of Columbia	Region 3	2	2.4104	
	Alexandria	NAB	Virginia	Alexandria City, Arlington County	Region 3	1	.3925	
	District of Columbia	NAB	District Of Columbia	District Of Columbia	Region 3	1	.8495	

1 - 4

Figure 3.6-1: Find Levees Near Me Results

3. A list of levees will populate within the distance of the zip code entered.

4. Maps

4.1 Navigating to Maps

The “Maps” tab is the third tab in the list.



Figure 4.1-1: Maps Tab

By clicking on the “Maps” tab you will be taken to the Maps screen show below in

Figure 4.1-2: Maps.

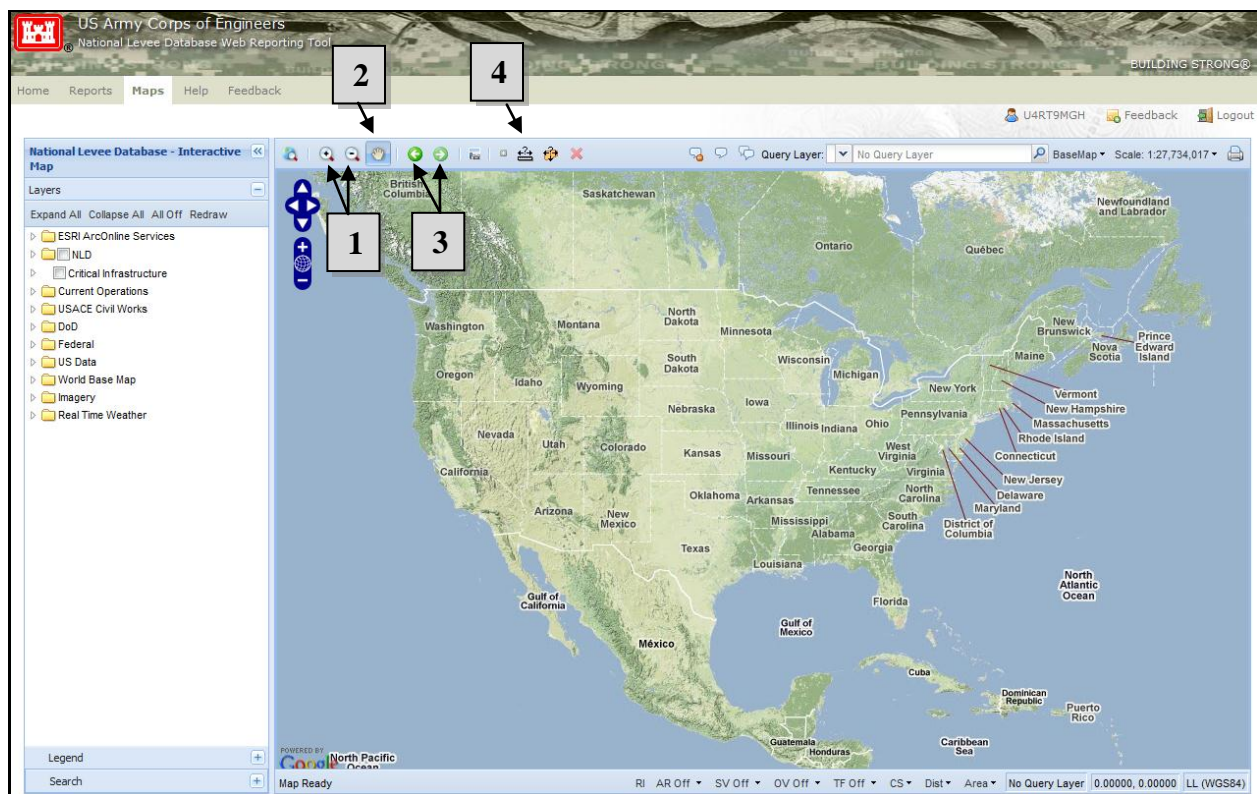


Figure 4.1-2: Maps

The Map navigation tools include:

1. Zoom in/zoom out
2. Pan
3. Previous/next view
4. Distance/area measurements

All map tools contain “tool tips” which is accessed by hovering the cursor over each item. A small pop-up box will display next to the cursor that contains supplementary information regarding each item.

4.2 Map Utilities

Six base maps are included in the map utilities; four Google maps, a USGS DRG Topographic Map Layer (U.S. Geological Survey, Digital Raster Graphics), and the USACE CorpsMap base map.

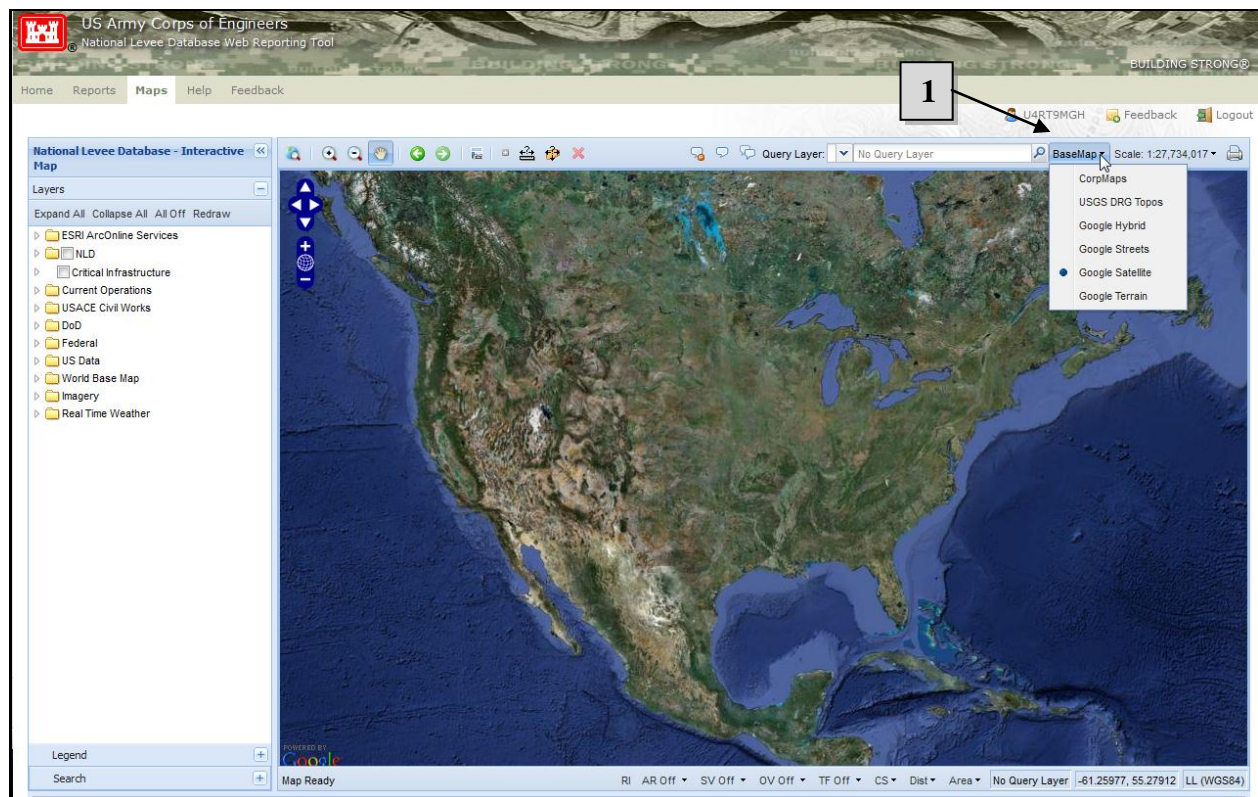


Figure 4.2-1: BaseMap Utilities

1. Click on the drop down arrow in the “BaseMap” box to select a base map.

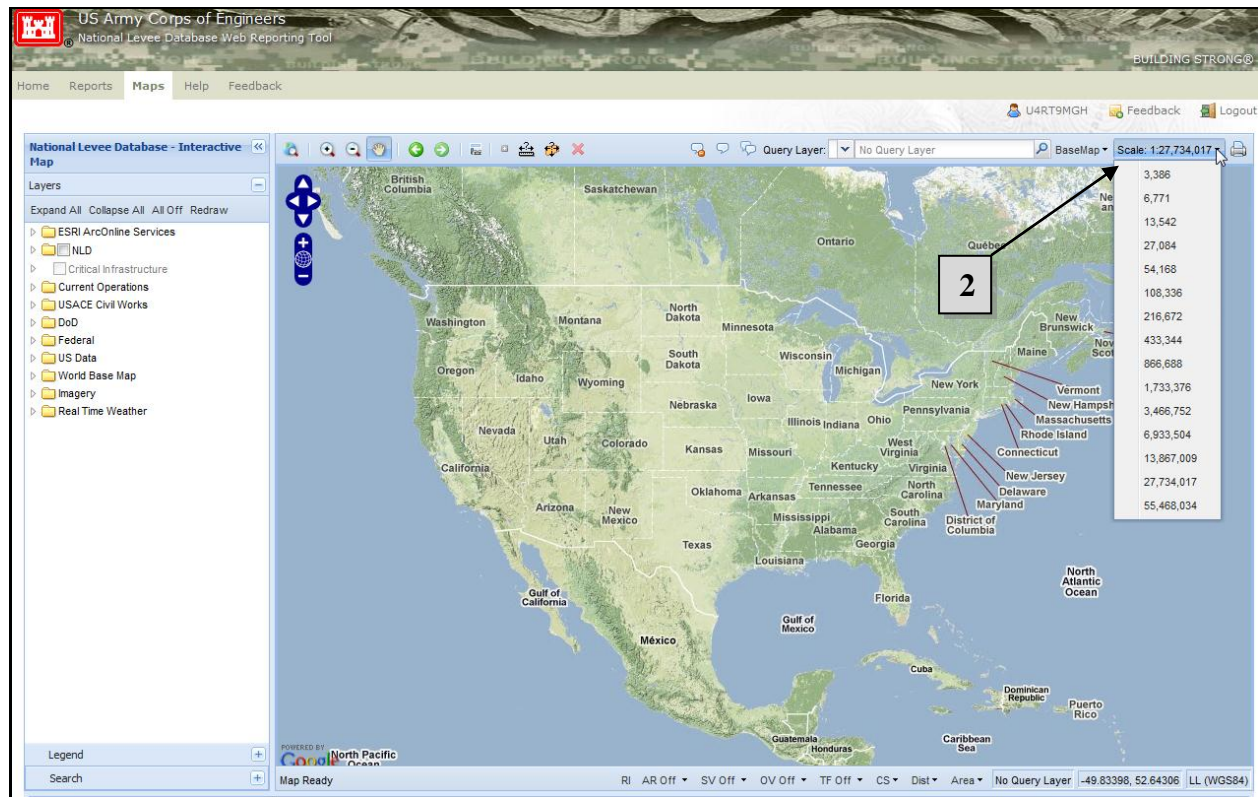


Figure 4.2-2: Map Scales

- Click on the drop down arrow in the Scale box. You can set the map to a fixed scale. The fixed scale choices are based on Google map tile scales.

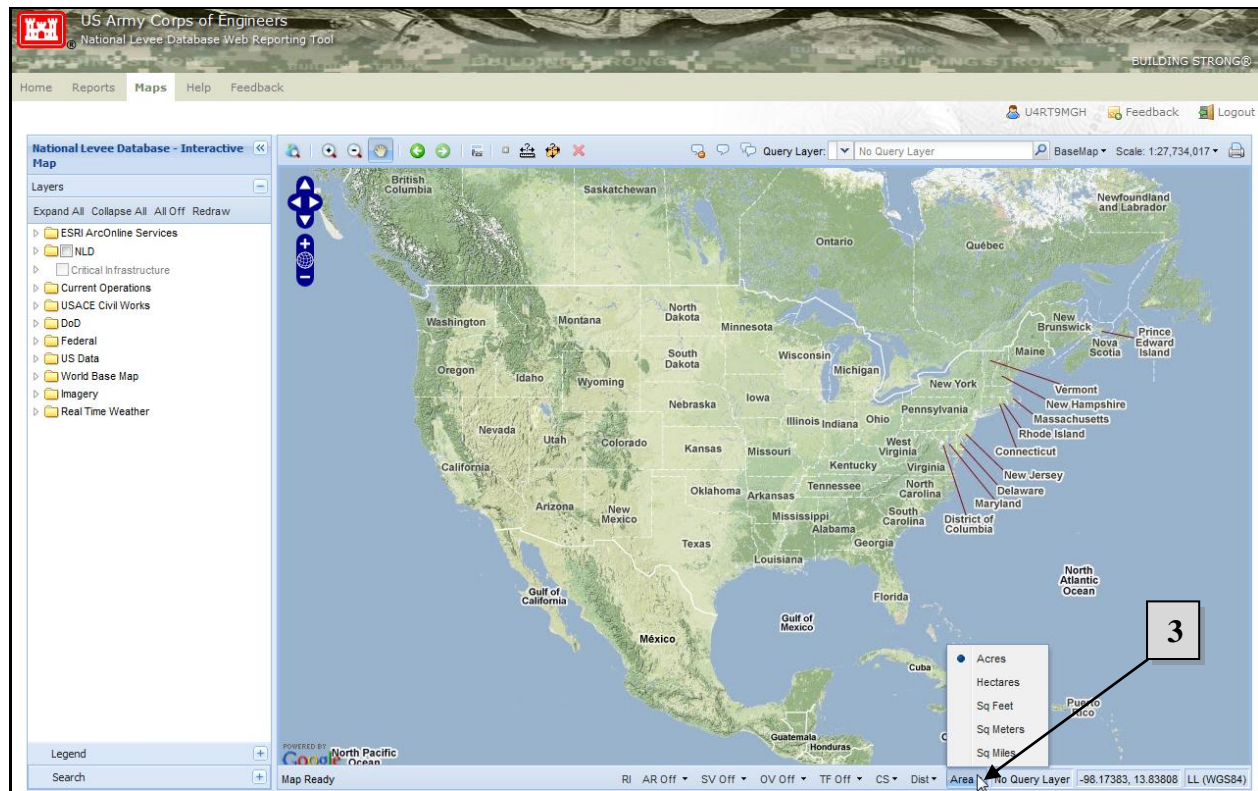


Figure 4.2-3: Area Units

3. Click the drop down arrow in the “Area Units Acres” box. Unit of measures are available for linear and area measurements.

4.3 Search

You can search for a location by Coordinates, Address, Zip Code, Country or Google Search.

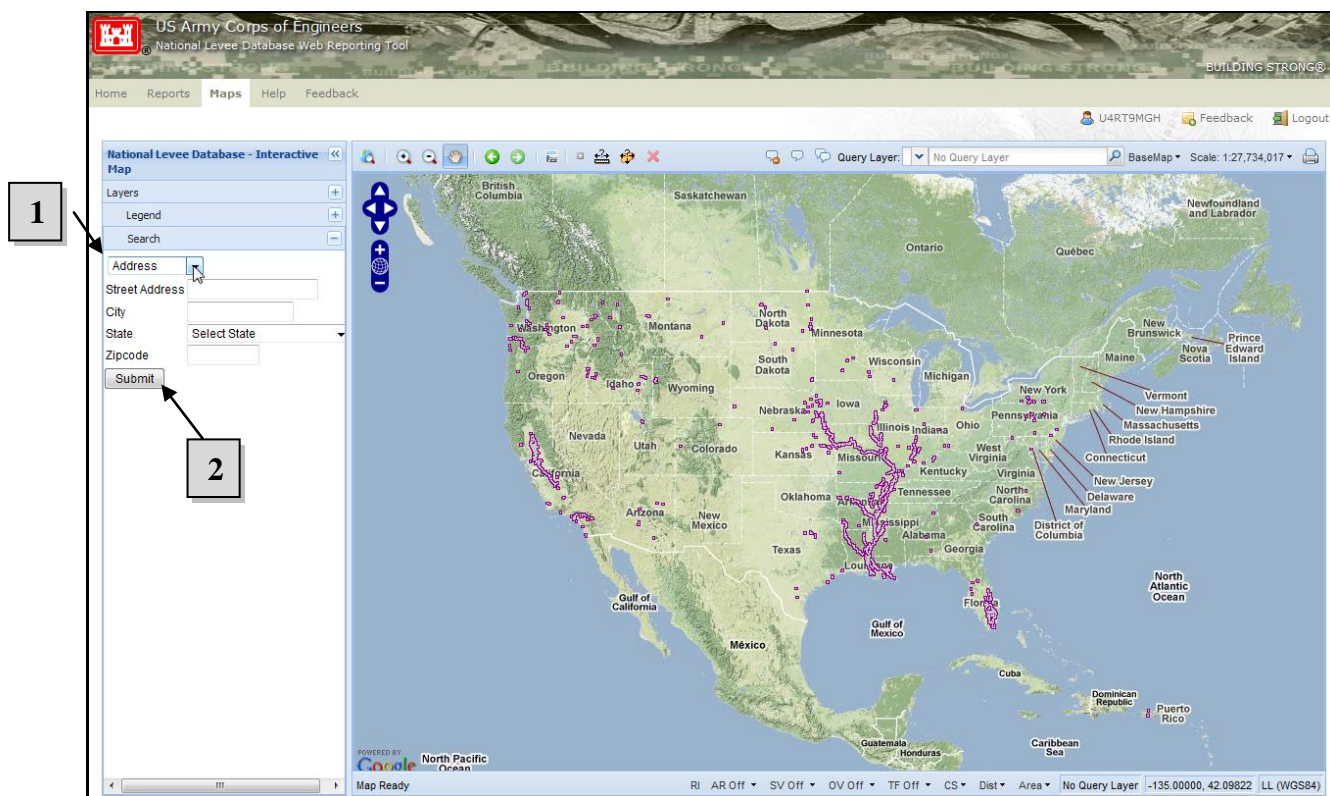


Figure 4.3-1: Search for Location

1. Select method of Search (Coordinate, Address, Zip Code, Country or Google) and enter information.
2. Click the “Submit” button. The system will display a link to confirm their search criteria. Click on that link and the system will put a pin on the map to zoom to that location.

4.4 Layers

The layers are located on the left panel of the map.

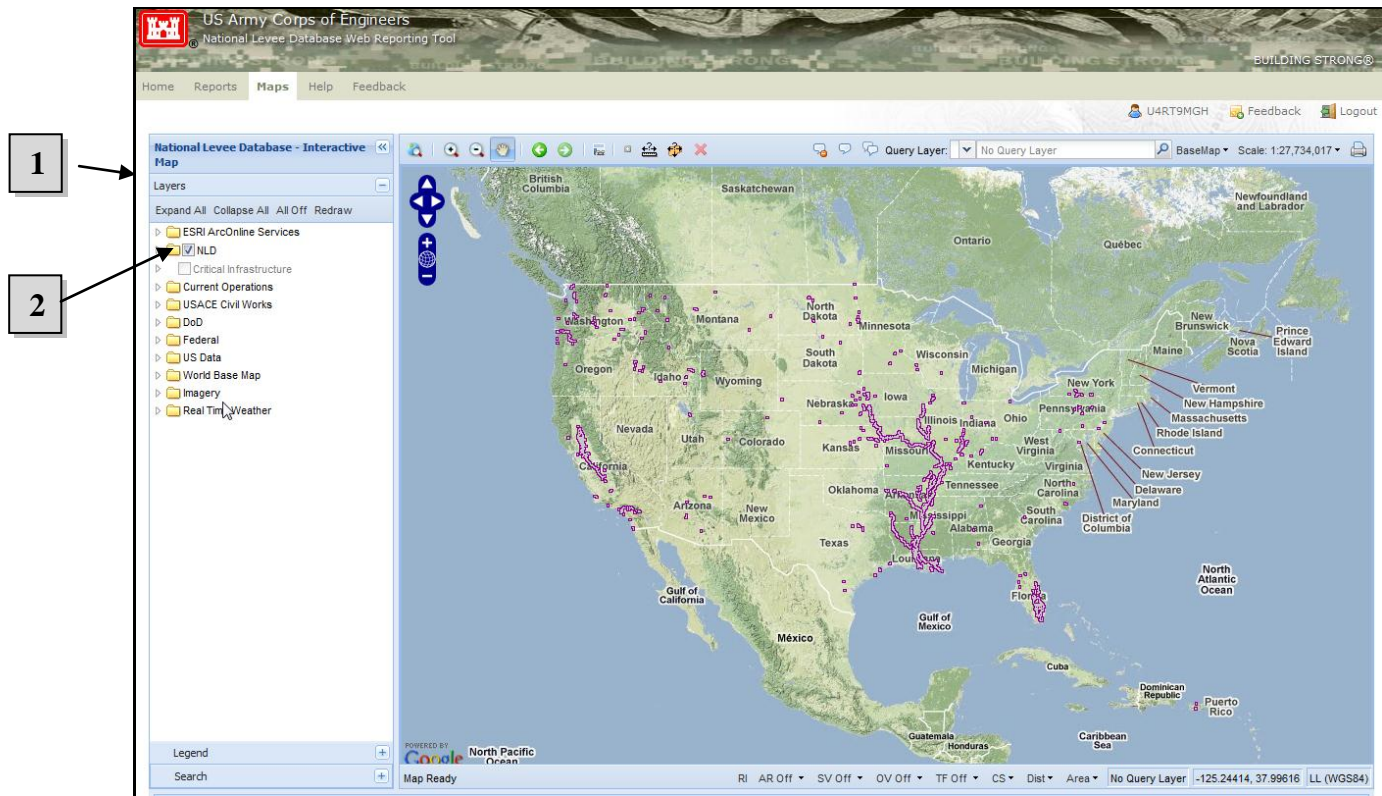


Figure 4.4-1: Map Layers

1. Click the Layers bar under the National Levee Database to maximize the layer panel.
2. Turn on Layer by selecting the associated checkbox.



- Web Reporting Tool

4.5 Legend

The legend panel will help you decipher the various symbols generated on the map when displaying different layers.

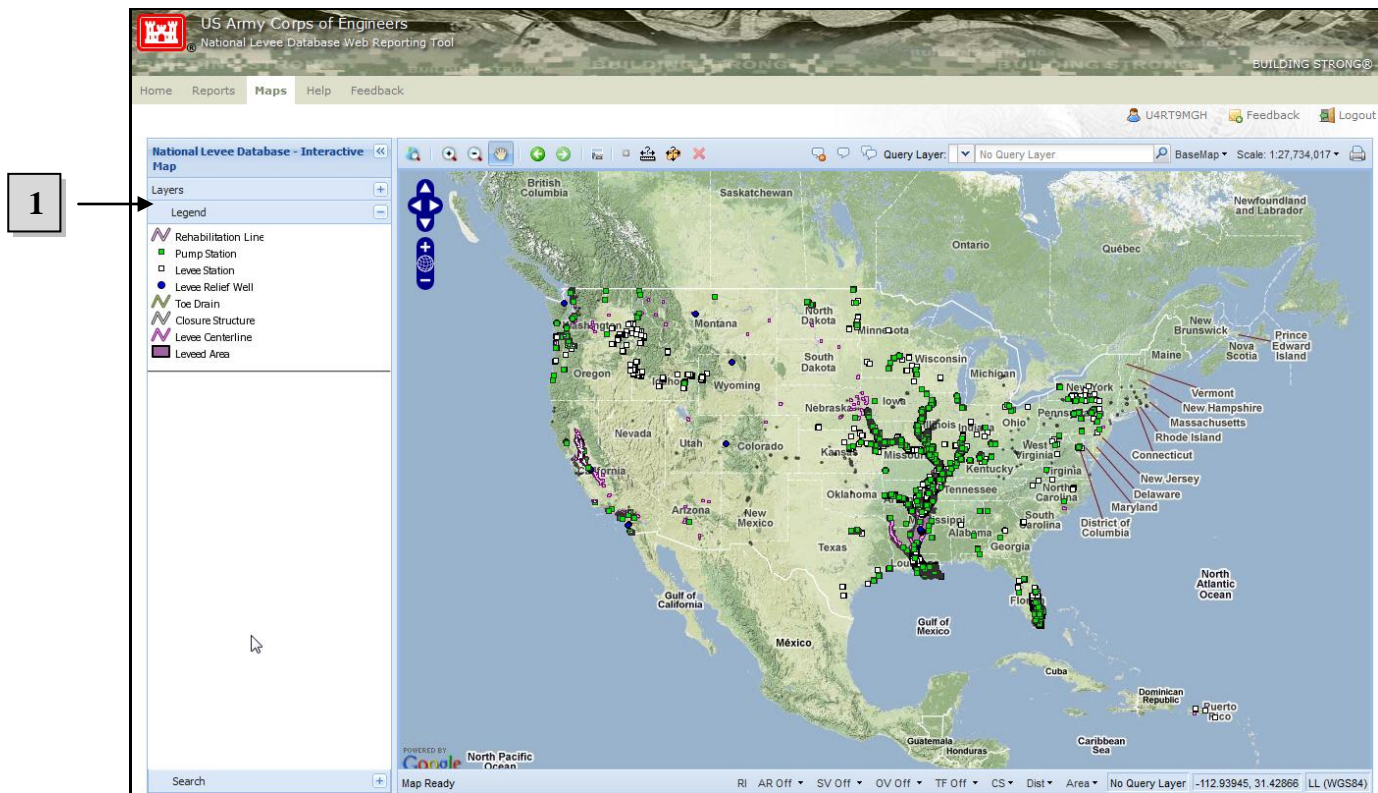


Figure 4.5-1: Legend

1. To access the legend, click “Legend” in the left hand navigation. The legend will only display the layers that have been selected in the “Layers” tab.

4.6 Queries

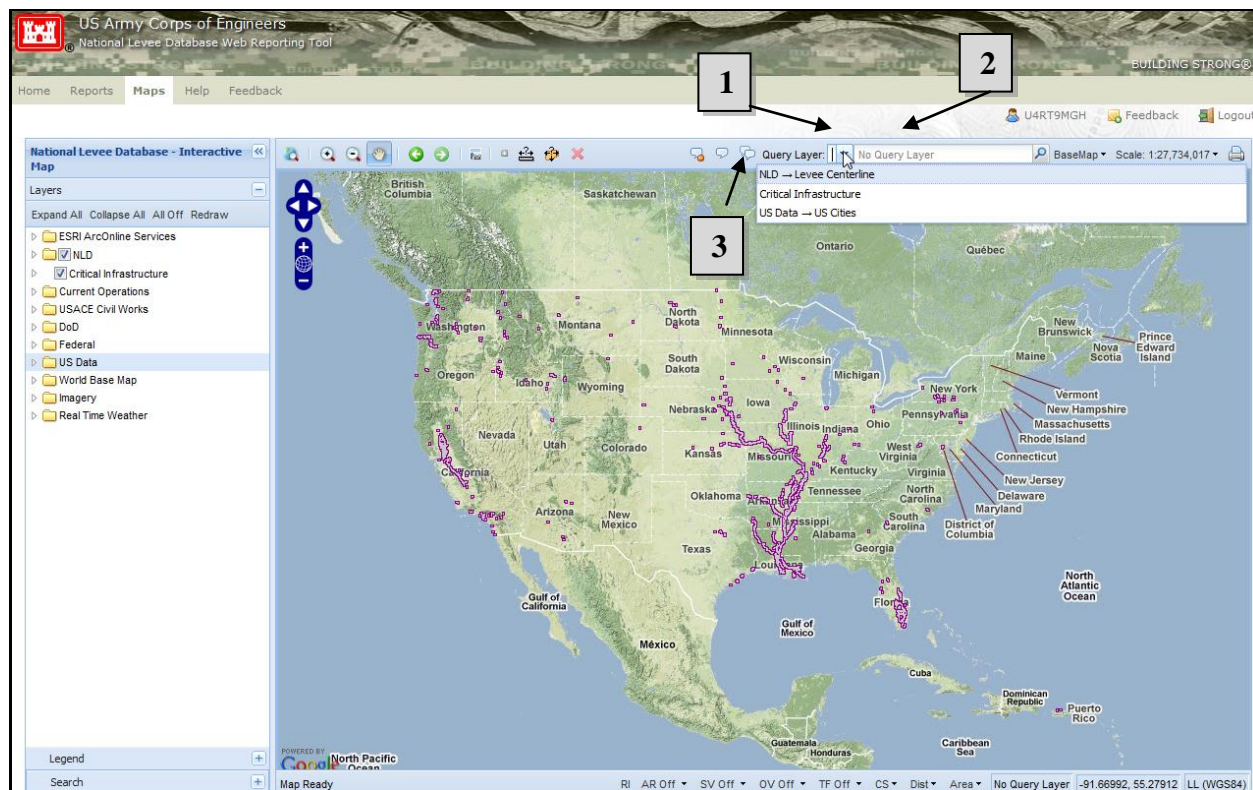


Figure 4.6-1: Queries

1. To query features on the map, select a query layer by clicking the drop down arrow in the “Query Layer” box.
2. Enter the query in the open text field.

-OR-

3. Click the double conversation box titled “Table Info Query.” It is located immediately to the left of the Query Layer drop down. After clicking the box, you will be able to draw a square on the map. The square you draw will determine the area that will be searched.

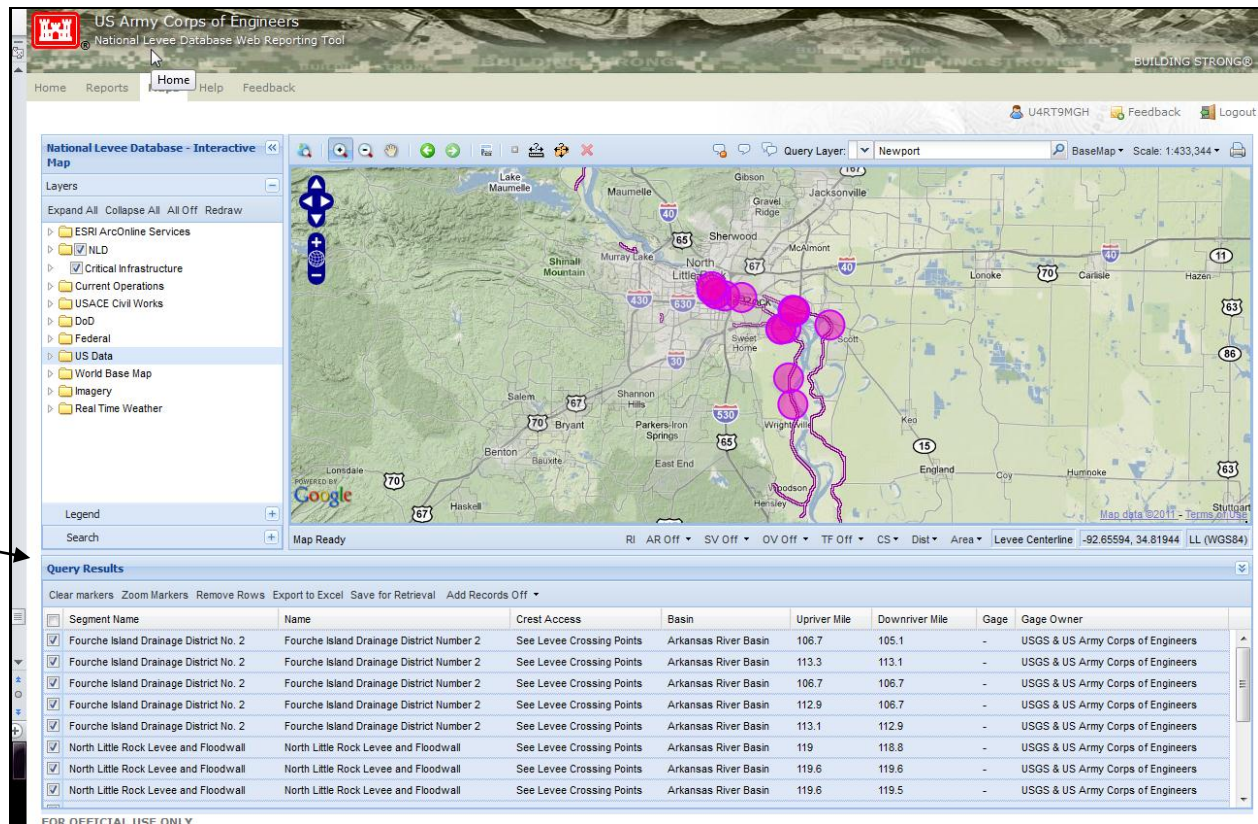


Figure 4.6-2: Query Results

- Results will be displayed in the Query Results pane under the map.

5. Feedback

To provide feedback about any portion of the NLD:

- Press the feedback button on the upper right corner.

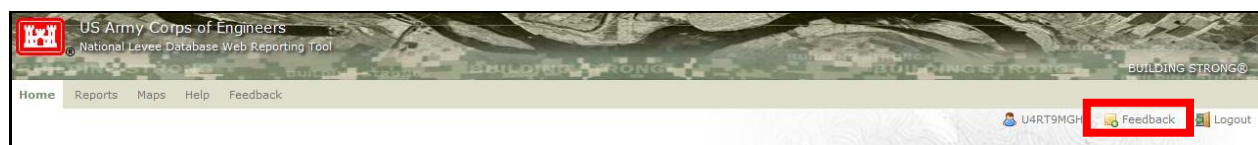


Figure 5-1: Feedback

- This will trigger a popup where you can enter your name, email, and a description up to 2000 characters.
- When you click the "Submit" button, your feedback will be recorded.

The screenshot displays the National Levee Database Web Reporting Tool interface. The top navigation bar includes links for Home, Reports, Maps, Help, and Feedback. The main map area shows a geographical view with various infrastructure layers. A 'Provide Feedback' dialog box is overlaid on the map, containing the following fields and controls:

- Provide Feedback** (Title bar)
- Note:** Please feel free to provide any comments or questions you might have regarding the application. If reporting an error please include any error messages displayed by the application.
- Name:**
- Email:**
- Page:**
- Comments:**
- Submit** (Button)

Callout 2 points to the 'Provide Feedback' dialog box, and callout 3 points to the 'Submit' button.

Figure 5-2: Provide Feedback Form

Appendix A – List of Acronyms

CRREL	Cold Regions Research and Engineering Laboratory
DoD	Department of Defense
DRG	Digital Raster Graphics
EM	Engineering Manual
ERDC	Engineer Research and Development Center
FC	Flood Control
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
GIS	Geographic Information Systems
HQUSACE	Headquarters, U.S. Army Corps of Engineers
IEI	Initial Eligibility Inspection
NLD	National Levee Database
NMAS	National Map Accuracy Standards
PAL	Provisionally Accredited Levee
PDT	Project Delivery Team
PGDB	Personal Geodatabase
RIP	Rehabilitation and Inspection Program
RS/GIS	Remote Sensing/GIS Center
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geologic Survey
VPN	Virtual Private Network
WRT	Web Reporting Tool